

1959—60

VICTORIA

STATE RIVERS AND WATER SUPPLY COMMISSION

FIFTY-FOURTH
ANNUAL REPORT
1958—59

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STATE RIVERS AND WATER SUPPLY COMMISSION

100 Exhibition-street,
Melbourne, C.I.,
29th February, 1960.

ANNUAL REPORT, 1958 - 59

In compliance with the provisions of the Water Acts, the State Rivers and Water Supply Commission has the honour to present to Parliament the following Report and Statement for the Financial Year 1958-59, and Estimates for the ensuing year.

L. R. EAST, C.B.E., Chairman,
M.C.E., M.I.C.E., M.ASCE., M.I.E.Aust.

H. W. McCAY, Commissioner,
B.C.E., M.I.E.Aust., M.I.W.E.

A. L. TISDALL, Commissioner,
M.Agr.Sc., M.A.I.A.S.

E. BROWN, J.P., Secretary.

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ANNUAL REPORT

OF THE

STATE RIVERS AND WATER SUPPLY COMMISSION

FOR

YEAR ENDED 30TH JUNE, 1959.

SUMMARY OF REPORT.

The State Rivers and Water Supply Commission was constituted on 1st May, 1906, under the provisions of the *Water Act* 1905.

WATER SUPPLY.

During the year, the completion of the Tullaroop Reservoir added 60,000 acre feet to the capacity of water storages controlled by the Commission, bringing the total at 30th June, 1959, to 4,235,430 acre feet. In addition to this figure, River Murray storages totalling 2,022,840 acre feet are shared equally by New South Wales and Victoria under the River Murray Waters Agreement, subject to certain obligations to South Australia. The total storage capacity available to Victoria is thus some 5,246,850 acre feet.

Water deliveries for the year to lands in the Commission's Irrigation Districts amounted to 1,000,251 acre feet and an additional 257,346 acre feet were used for irrigation by private diverters, making a grand total of 1,257,597 acre feet delivered for irrigation.

The number of private diverters for irrigation increased by 15 per cent. to 4,036 at the end of the year.

IRRIGATION DEVELOPMENT AND NEW WORKS.

The area irrigated in 1958-59 was 965,766 acres, only 4 per cent. below the record area of 1,001,800 acres irrigated in the dry year 1957-58.

In 1957-58, the value of irrigation production reached a record figure of £53,000,000, of which £6,450,000 was produced by private diverters.

The enlargement of the East Goulburn Main Channel was completed from the Goulburn Weir to the Broken River, a distance of 31½ miles. Capacity has now been increased from 460 to 1,000 cusecs at the Goulburn Weir and from 400 to 800 cusecs at the Broken River. Excellent progress was made with enlargement of the remaining 21 miles.

The first 13½ miles of the new Rodney No. 6 Channel, of 500 cusecs capacity, were brought into operation, and 80 per cent. of earthworks were finished on a further 12 miles.

In the Macalister District—which has been created by uniting the Maffra-Sale and Central Gippsland Districts—electrically-operated gates were installed to complete the Cowwarr Weir on the Thomson River. Channel works to supply an area of 2,780 acres in West Boisdale were virtually completed during the year.

Tullaroop Reservoir, the new 60,000 acre-feet storage on Tullaroop Creek, a tributary of the Loddon, began to store water on 20th May. This storage will safeguard the water requirements of the town of Maryborough and meet irrigation and other needs along Tullaroop Creek and the Loddon River.

Evidence was submitted to the Parliamentary Public Works Committee in regard to the possible enlargement of Eppalock Reservoir on the Campaspe River.

TOWN SUPPLIES AND SEWERAGE.

An electrically-operated pumping station was completed on the Gellibrand River to supplement summer supplies from the Otway Ranges to Camperdown, Warrnambool, and other towns served by the Commission's Otway water supply system. The capacity of the pump is 4·3 million gallons per day against a total head of 950 feet.

Work began on a new town water supply reservoir for Castlemaine and district.

The number of country towns in Victoria provided with reticulated water supplies by the Commission or by local Trusts and Authorities is now 302 and these serve 713,050 persons. Seven new town supplies were brought into operation at Balmoral, Dunkeld, Linton, Neerim South, Wurruk, Yallourn North, Yarragon and Yinnar.

Expenditure by local town water supply authorities was a record £2,195,000, the previous highest figure having been £1,574,000 in 1957-58. Including expenditure by the State Rivers and Water Supply Commission, the total sum provided for capital works of country town water supply was £3,230,000, the highest ever recorded.

The sewerage system at Leongatha was brought into use during the year. There are now 64 constituted authorities, and 37 sewerage systems are in operation throughout the State. These serve 479,700 persons, or about a third of the population of Victoria outside the Melbourne Metropolitan Area.

Capital expenditure on sewerage works totalled £2,329,204, of which £446,697 was provided from Government Loan funds. Both of these figures were records.

OTHER MAJOR WORKS.

Works to divert floodwaters from Lake Corangamite, to enable lands flooded around that Lake to be reclaimed, were completed and will be brought into operation as required.

Substantial progress was made on channel works in the Wimmera-Mallee. The Rocklands Outlet Channel was completed, together with most of the channel enlargement works needed to take Glenelg River water from Rocklands Reservoir to the Waranga-Mallee Channel in sufficient quantities to make the whole of the Wimmera-Mallee System independent of water supplies from the Goulburn and Loddon Rivers.

On the recommendation of the Parliamentary Public Works Committee, the Government approved of works to improve the drainage of the Carrum Drainage District, including the provision of a new outlet to the sea from Kananook Creek. Four miles of the north bank of the Carrum Outfall Drain (Patterson River) were raised to safeguard from flooding low lands in the Chelsea and adjoining areas.

FINANCE.

The total receipts for water rates and charges for the financial year 1958-59 amounted to a record of £2,504,257, the previous highest collection being £2,424,390 in 1957-58. Other receipts amounted to £1,085,727.

The Net Loan Liability of the State for works of water supply and drainage at 30th June, 1959, was £107,609,260 exclusive of the equity in National Debt Sinking Fund.

Of the net Loan Liability at 30th June, 1959, £7,086,316 is charged to Waterworks Trusts and other Local Governing Bodies; £4,962,842 is debited to districts directly controlled by the Commission and to Plant Workshops; £1,825,268 is debited to the Plant and Machinery Account; £35,162 to River Improvement Trusts; £1,517,573 to Latrobe Valley; and the balance, £92,182,099 is borne by the State.

The total Interest Charges for 1958-59 amounted to £4,378,948.

Waterworks Trusts and Local Governing Bodies paid to the Treasury as interest on loans the sum of £231,032.

In addition, Interest amounting to £97,122 in respect of Districts under its control was met by the Commission.

In districts, the capital liability of which has been adjusted, the operations for the year resulted in a net gain of £92,028 after providing for interest, redemption, and depreciation.

A loss of £256,785 was incurred in operating districts to which the supply was continued by direction of Governor in Council. This amount was debited to the "Revenue Expenditure Chargeable to the State Account".

The net cost to the State for Interest and Exchange, loss on districts supplied by direction of Governor in Council, and services not directly chargeable to water-users, together with the cost of National Debt Sinking Fund operations, was £4,317,575.

The value of stores and equipment held in the Stores Suspense Account as at 30th June, 1959, was £918,016.

The value of moveable plant and machinery held in the Plant and Machinery Account as at 30th June, 1959, was £1,825,268.

A sum of £154,270 was paid into Consolidated Revenue in respect of depreciation payments by Commission's Districts for the year 1958-59.

The amount at credit of Water Supply Plant and Machinery Depreciation Fund as at 30th June, 1959, was £852,745.

The arrears of water rates and charges outstanding at 30th June, 1959, was £519,008.

The amount included in the Budget Estimate for 1959-60 for Vote Expenditure on works and services under the control of the Commission is £3,865,993. This amount is £473,458 less than the Commission's estimated requirements.

RATING.

The total net annual valuation of properties rated on this basis, within one Waterworks District, two Flood Protection Districts, Urban Districts including the Coliban System, and the Eildon Sewerage District amounted to £5,671,287.

The total unimproved capital valuation of properties rated on this basis within Irrigation Districts, Waterworks Districts, and Carrum Drainage District amounted to £84,861,539.

The total number of rating assessments in the districts supplied with water by the Commission is £99,426, and the total number of assessments in Drainage, Flood Protection and Sewerage Districts is £8,204.

PART I.—GENERAL.

EFFICIENT USE OF VICTORIAN WATER RESOURCES.

Over the post-war period, from 1945 to 1959, the storage capacity available for irrigation in Victoria has increased almost threefold, to a present total of $5\frac{1}{4}$ million acre feet. Associated with this development, Victoria's irrigated area and irrigated production are at present expanding at an unprecedented rate.

It is apparent, however, that storages are becoming increasingly costly to construct and, for this reason, the Commission is now emphasising the need for greater efficiency of distribution of water supplies and for more efficient water use by the farmer himself.

It is estimated that, at present, only about 25 per cent. of the water stored, and released for irrigation purposes, is used by the growing plant, the remaining 75 per cent. being lost by seepage and evaporation and by excessively heavy application of water to the land.

With unlined earthen channels and with flood irrigation practices, some degree of wastage of water is accepted as unavoidable. The Commission considers, however, that by paying attention to the various sources of wastage and by helping the farmer to overcome his own problems of applying water efficiently, a considerable overall improvement will be possible.

With the objective of reducing wastage, the Commission has recently engaged one engineer and four agricultural science research officers on this work. The engineer will study the losses occurring in the Commission's distributary systems with a view to reducing them to a minimum. The agricultural scientists will study the problem from the farmer's point of view and will investigate water use on the farm with the objective of achieving minimum usage without reducing production. To assist with these basic investigations, Mr. Eugene Gorman, Q.C., has made available 75 acres of his property "Carinya" at Rochester, which has been laid out and sub-divided specifically for research studies. In addition it is hoped, at a later date, to use the facilities available on Research Farms conducted by Committees of Irrigators at Kerang, Woorinen, and Swan Hill, and on the recently established Department of Agriculture Farm at Kyabram. The programme of proposed investigations will cover watering techniques, methods of lay-out and other basic principles of irrigation.

The value of this applied research programme will clearly depend upon the effective adoption of research results and, for this reason, the Commission is concurrently developing an extension service for irrigators which will help to improve irrigation methods in the State. Most forms of extension activities are being utilized, including show exhibits, talks, field days, films, school lessons, school and farm competitions and farm visits. It would seem, from the work done so far, that a varied approach to the extension problem will be necessary and also that the work will have to be done on a large scale, if established irrigation practices are to be significantly improved.

The Commission's bailiffs can also play an important part in efficient water use and with this in view, a Bailiff's Manual is now being prepared and other training methods are being adopted by the districts.

The objective of the programme discussed above is to obtain maximum production per acre foot of water used, as opposed to the usual aim of obtaining maximum production per acre. If it were possible to save even 5 per cent. of the water which is at present being used ineffectively in the Commission's Irrigation Districts, either through losses in distributary channels or through inefficient irrigation methods on the farms, then some 50,000 acre feet more water rights could be allotted, and there would be a substantial increase in the irrigation production of the State which, it is estimated, would exceed £2,000,000 per annum.

SPECIAL EVENTS, CONFERENCES AND COMMITTEES 1958-59.

Water Resources Conference.

On 27th April, the Minister of Water Supply, the Honorable W. J. Mibus, M.L.A., opened Australia's seventh Water Resources Conference. The Commission acted as host organization to the Conference, which is a meeting at regular intervals, normally yearly, of technical officers from the principal Departments and Authorities responsible for the collection or use of hydrological and hydrometeorological data in Australia. Delegates attended from all States, including the Northern Territory.

River Murray Commission.

The meetings of the River Murray Commission were attended during the year by Mr. L. R. East as Commissioner representing Victoria. Reference is made to an amendment to the River Murray Agreement on page 12 of this Report.

Snowy Mountains Council.

The Snowy Mountains Hydro-electric Agreements between the Commonwealth and the States of New South Wales and Victoria came into operation in January, 1959, when the last of the ratifying Acts passed by the three Parliaments was proclaimed. This brought into being the Snowy Mountains Council constituted by the Agreements and superseding the Interim Advisory Council set up in 1953.

The Snowy Mountains Council consists of eight members, two each representing the Commonwealth, the States of New South Wales and Victoria, and the Snowy Mountains Hydro-electric Authority. Mr. L. R. East, who was a member of the original Commonwealth-State Snowy River Committee and of the Interim Advisory Council from its inception, has now been appointed as a Victorian representative on the Snowy Mountains Council.

The duties of the Council include the direction and control of the operation and maintenance of the permanent works of the Snowy Scheme, and advice on the co-ordination of works undertaken by the Authority and the States in connection with irrigation and the generation and transmission of electricity.

International Commission on Irrigation and Drainage.

The International Commission on Irrigation and Drainage, constituted in 1950, is an international organization established to pool experience in the engineering, economic, and social aspects of irrigation and drainage for the mutual benefit of the participating countries. Forty countries, including Australia, are members.

An Australian National Committee of the International Commission, comprising representatives of Statutory Authorities, Government Departments, firms, and individuals actively interested in irrigation and drainage, was set up in 1953. The State Rivers and Water Supply Commission is a member of the organization, and is represented on the Committee by Mr. L. R. East.

During the year, the State Rivers and Water Supply Commission arranged an inspection in and around the Maffra-Sale and Central Gippsland Districts for members of the Australian National Committee, and assisted in organizing a study-tour through the Murray and Murrumbidgee irrigation districts by Australian and overseas delegates to the Tenth Executive Council Meeting of the I.C.I.D., held in Canberra in March.

At this meeting, Mr. East received the honour of election as a Vice-President of the International Commission.

Land Utilization Advisory Council.

The Chairman of the State Rivers and Water Supply Commission is, *ex officio*, a member of the Land Utilization Advisory Council which was set up under the Soil Conservation and Land Utilization Act. Its function is to advise the Soil Conservation Authority and the Minister for Conservation on the proclamation of "catchment areas" under the Act, and on policy in regard to the exercise of the Authority's powers to control land-use in proclaimed "catchment areas".

As a result of recommendations made by the Council, the Rocklands Reservoir and Riddell's Creek catchments were proclaimed "catchment areas" during the year. Catchments previously proclaimed are those of Hume Reservoir, Upper Goulburn, Glenmaggie Reservoir, Upper Barwon, Gisborne-Sunbury, and the Parwan River.

Commonwealth-States Conference on Underground Water.

Towards the end of the year, the Chairman of the Commission attended a meeting of Commonwealth and State representatives convened to consider the establishment on a permanent basis of a Commonwealth-States Conference on Underground Water. The recommendations of the meeting are to be transmitted to the Government for consideration.

Interstate River Murray Committees.

The Interstate Committee on River Murray Levees recommended the granting of three applications to erect levees.

The Interstate Departmental Committee for River Improvement Works on the Murray and Indi Rivers dealt with six cases of gravel removal and five cases of erosion-prevention and bank protection.

Sludge Abatement Board.

This Board, which has a history dating back to 1905, continued its operations. The Board makes recommendations in regard to mining operations likely to affect stream conditions, and has performed much valuable work in keeping rivers free from pollution and siltation. Mr. H. C. Kermode is the Commission's representative on the Board.

Accommodation.

At 30th June, 1959, plans and specifications were in hand for a new central office at Toorak to enable all of the Commission's headquarters branches and divisions to be brought together in one building.

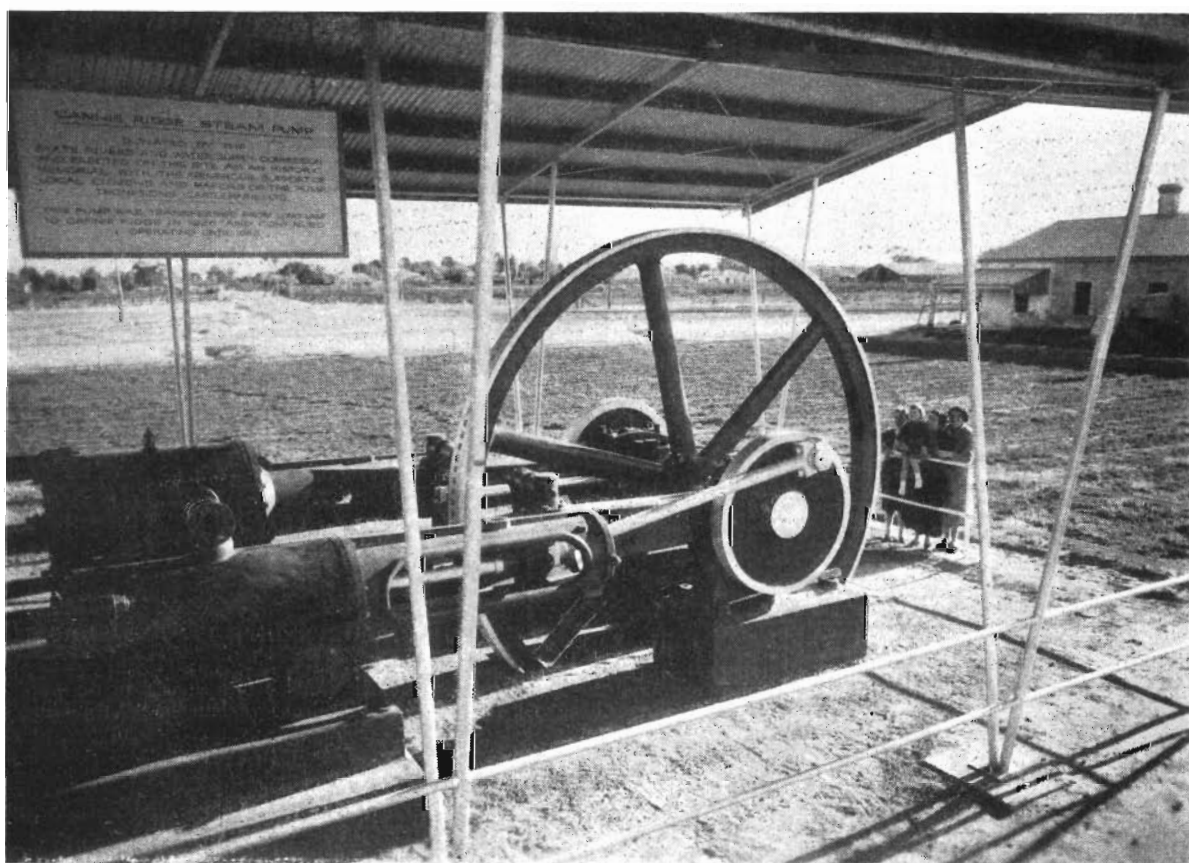
Overseas Visits.

Messrs. R. H. Richmond and E. McD. Walker, Divisional Engineers, visited England, Holland, the United States of America, and Canada to obtain information and report on modern methods of treatment of town water supplies.

Mr. P. F. Shea, an officer of the Irrigation Section, who is working on the drainage problem in peach orchards, was awarded both a Research Assistantship at Davis University, California, and a Fulbright Travel Grant. Experience of similar problems overseas, to be obtained by Mr. Shea, will be of practical value to the Commission.

Cannie Ridge Pump.

The Cannie Ridge Steam Pump was originally installed at Long Lake in 1903, and later transferred to Cannie Ridge and operated to provide water for domestic and stock purposes until replaced by a diesel driven pump in 1952. It was re-erected at Lake Boga and dedicated as an historical memorial to Water Supply Pioneers by the Acting Premier, the Honorable A. G. Rylah, M.L.A., at an official ceremony held on Thursday, 28th May, 1959.



View of the Cannie Ridge Pump established as an historical memorial on the shore of Lake Boga, near Swan Hill. This close-up is dominated by the massive flywheel, 15 feet in diameter, which is one of the pump's many interesting technical features.

LEGISLATION.

The Snowy Mountains Hydro-Electric Agreements Act 1958.

This Act was passed by the Victorian Parliament in April, 1958, and was proclaimed to come into effect in November. It provides for the ratification of certain Agreements, made between the Commonwealth and the States of New South Wales and Victoria in regard to the construction and operation of the Snowy Mountains Hydro-electric Scheme, and the sharing of the hydro-electric power and irrigation water that will be made available by the Scheme. Similar ratifying Acts were passed by the Commonwealth and New South Wales.

The Agreements came into effect in January, 1959, when the last of the ratifying Acts was proclaimed.

The Snowy Mountains Hydro-electric Scheme is being carried out by the Snowy Mountains Hydro-electric Authority, set up for the purpose by Commonwealth legislation in 1949. An important part of the Scheme includes the construction of works for the diversion of water from the Tooma River (a tributary of the Upper Murray River) to the Murrumbidgee and Snowy River catchments, and the construction of works for the diversion of water from the Snowy River to the Swampy Plains River (also a tributary of the Upper Murray River). As the result of these diversions, there will be on completion of the scheme a net increase of some 400,000 acre feet in the average annual flow of the Upper Murray River above Hume Reservoir, subject to South Australia receiving a proportion of the flow in times of water restrictions along the Murray. Victoria will receive a half-share of this net increase in addition to its rights in the flow of the River Murray. The additional water in the River Murray due to the Snowy Scheme will vary from year to year with seasonal conditions, but is expected to be very much greater in a year of drought than in a normal year and will thus be particularly valuable in maintaining supplies in the Murray in years when the natural flow of that river is reduced by drought.

The River Murray Waters Act 1958.

This Act was passed in November, 1958, and was proclaimed to come into operation in January, 1959, simultaneously with similar Acts passed by the Parliaments of the Commonwealth and the States of New South Wales and South Australia. Their purpose is to ratify amendments to the River Murray Waters Agreement, principally to take into account the diversions of water between the Murray and Snowy catchments that will result from the operation of the Snowy Mountains Hydro-electric Scheme. In accordance with the Snowy Mountains Hydro-Electric Agreement, Victoria and New South Wales will, in normal times, share equally in the net quantity of water added to the Murray by the Scheme. The amendments also re-cast in a clear code the provisions of the River Murray Waters Agreement concerning the allocation of Murray waters in periods of restriction, and include provision for South Australia to receive a share of the additional waters from the Snowy Scheme in such periods.

Water (Contracts) Act 1959.

This Act, which was passed in March, 1959, follows closely on the lines of the corresponding provisions of the Local Government Act. It empowers the Commission to enter into arrangements with Local Governing Bodies and other Statutory Authorities where such bodies are in a position to control and manage more effectively works such as bridges forming integral parts of road communications being maintained by a Shire Council.

Water (Valuations) Act 1958.

In December, 1958, prior to the hearing of the rating appeals referred to on page 41, Parliament passed the *Water (Valuations) Act 1958*. Its purpose was firstly to remove doubts thrown on the validity of all the Commission's valuations on the technical point that the Commission had not formally extended the use of any of its valuations beyond the initial period of five years, and secondly to overcome the difficulty that there was no specific provision for the Commission to make a fresh valid valuation to replace a valuation which was at any stage invalid.

Water (Irrigation Districts) Act 1959.

Following the settlement of the Goulburn Valley rating appeals, Parliament in May, 1959, passed the *Water (Irrigation Districts) Act 1959*. It provided for the validation of General and Drainage Rates made by the Commission in 1957 and 1958, and for the reduction by 40 per cent. of the unimproved capital valuations of rateable properties in irrigation districts valued since the 1st July, 1954, this reduction to continue in force until further valuations are made.

PARLIAMENTARY PUBLIC WORKS COMMITTEE ENQUIRIES.

Kananook Creek.

By terms of reference dated 15th February, 1957, the Committee was asked to investigate the following matters concerning Kananook Creek, near Frankston :—

- (a) The practicability and cost of improving the drainage of low-lying lands within the catchment area of the Kananook Creek.
- (b) The desirability of and the best means for improving conditions along the Creek.
- (c) How the cost of the works should be met and by what Authority or Authorities the work could be best carried out : and
- (d) Any other matters which appear to the Committee to be relevant to the enquiry.

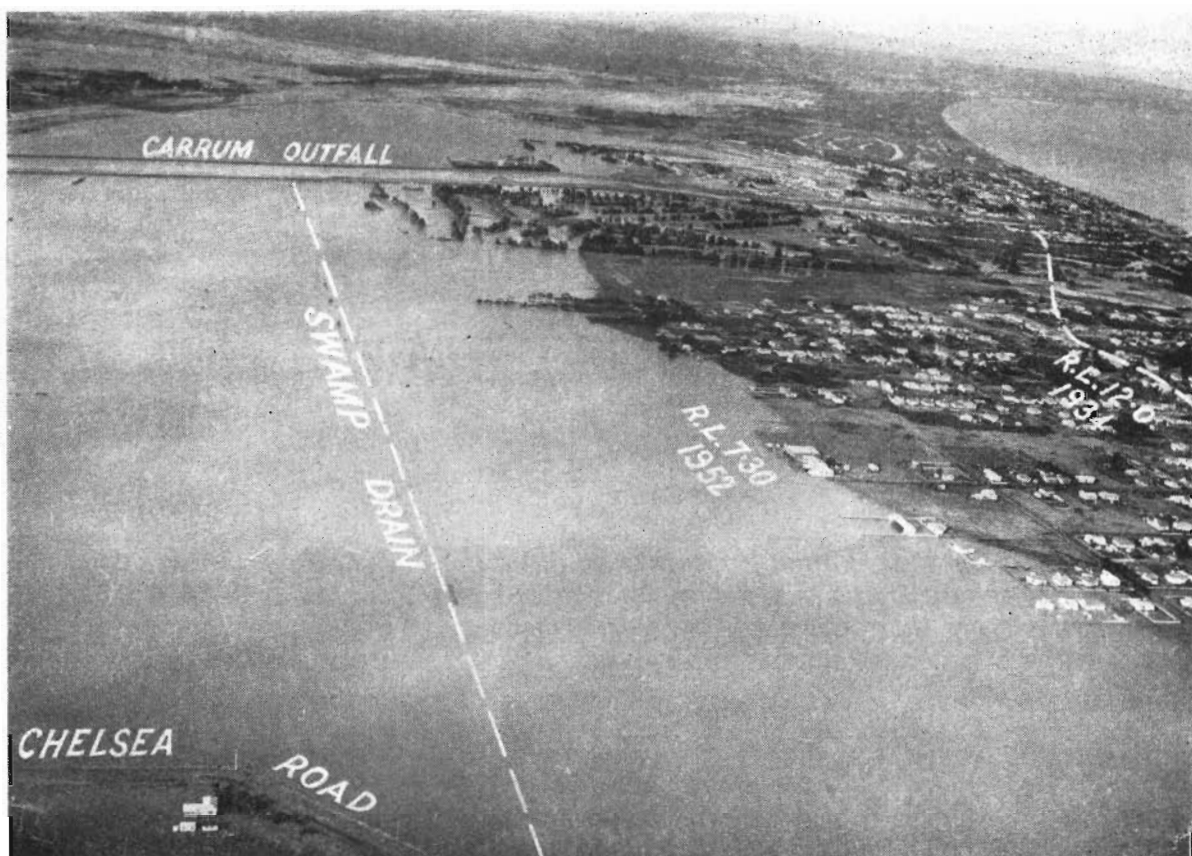
Reference was made in the previous Annual Report to an Interim Report from the Committee. In its Final Report, of 10th December, 1958, the Committee made the following recommendations, which supersede those made in the Interim Report :—

1. That the scheme for the drainage of low-lying lands within the catchment area of the Kananook Creek be implemented without delay. (The Committee mentioned that in addition to the works recommended by it, other improvements proposed by the Commission, including raising the banks of the Carrum Outfall, will bring the total cost of works proposed in the Carrum Drainage District to approximately £500,000.)
2. That such works be so designed as to make provision for increased flow due to future development in the catchment area.
3. That the Carrum Drainage District be extended to include all areas which will benefit by this scheme.
4. That the cost of the work be met as follows :—

- (a) one-sixth of the cost of improving Kananook Creek including its outlet to Port Phillip Bay—Shire of Frankston and Hastings ;
- (b) balance of the cost of the scheme of which one-half to be charged to the enlarged Carrum Drainage District—Government of Victoria.

Drainage rates to be levied in the enlarged District to be such as would meet charges for interest and redemption at $3\frac{1}{4}$ per cent. on the capital so allotted.

5. That the work be carried out and administered by the State Rivers and Water Supply Commission.
6. That lands below R.L.4 in the Seaford Swamp be acquired by the State Rivers and Water Supply Commission as pondage areas.



Aerial view of the 1952 flood in the Carrum Drainage District, looking from the Chelsea-road in the foreground towards the Carrum Outfall and the Patterson River Golf Course. Large-scale works to alleviate flooding in this area have been approved by Parliament.

Eppalock Reservoir.

The Committee was also asked to enquire into :—

- (a) The desirability and practicability of increasing the capacity of the present Eppalock Reservoir on the Campaspe River.

If it is found desirable and practicable to increase the capacity of the present reservoir—

- (b) The extent to which the capacity should be increased and the cost of providing for such increase ; and
- (c) The purpose for which the waters which would be conserved in the enlarged reservoir should be used ;
- (d) Any other matters which appear to the Committee to be relevant to the enquiry.

During the year, evidence on these matters was presented to the Committee for the Commission.

PART 2.—DIVISIONAL AND BRANCH REPORTS.

IRRIGATION.

Seasonal Conditions and Water Deliveries.

The total area irrigated during the year was 965,766 acres, only 4 per cent. less than the record established in 1957-58. Of this 838,815 acres were in irrigation districts or adjoining lands, and 126,951 acres were on holdings watered by private works operated under diversion licences or permits.

Although the 1,257,597 acre feet of water delivered for irrigation, because of seasonal conditions, was well below the record of 1,603,790 acre feet established in 1957-58, it was the second highest ever recorded.

Irrigation began in all districts in mid-September, but good rain delayed general irrigation until late in October. Later, demand was normal except for a short period early in March when rain delayed the peak autumn demand, resulting in unusually heavy late waterings and sustained demand until the season ended in May.

After the heavy demand in 1957-58, normal winter rain provided a good recovery in the storages by 1st September, and by 1st November storages were at full capacity. All requirements were met, but dry conditions after March made heavy demands on storages and there was little recovery by the end of the year.

The following table shows deliveries in the last two irrigation seasons :-

				1958-59		1957-58
				Acre feet		Acre feet
Goulburn System	..	..	..	445,582	..	652,467
Murray System	..	..	..	391,654	..	514,893
Campaspe System	..	..	..	18,236	..	14,966
Werribee System	..	..	..	14,928	..	15,859
Macalister System	..	..	..	75,433	..	69,992
Wimmera System	..	..	..	12,148	..	15,170
Delivered outside districts	..	..	..	9,344	..	11,311
Diverted under licences or permits	..	..	..	247,922	..	261,567
Total	..	..	..	1,215,247	..	1,556,225
Pumped by the First Mildura Irrigation Trust	..	..	..	42,350	..	47,565
Total delivered to land	..	..	..	1,257,597	..	1,603,790

Groundwater and Drainage Investigations.

A survey of the extent and potential of irrigation from underground water in Victoria showed that probably not more than 100 farmers pump bore water for irrigation. Most of this development, particularly the irrigation of lucerne, is in the usable water zone of the Murray Artesian Basin and this region appears to offer most scope for future exploitation.

Arrangements were made with the Department of Mines for a joint survey of the underground water resources of the Ovens Valley, the principal tobacco-growing area in the State. At present, river water is pumped for irrigation, but the amount available would fall far short of requirements during a drought year.

Further research into the losses of peach trees from water-logging suggests that shallow tile drainage systems might be effective. An experimental plot was laid out and investigations are proceeding into the efficiency of tile drains 20 inches deep in rows 20 feet apart.

At Shepparton, water-logged sand drifts within 20 feet of the surface are another hazard to peach growing. A study of groundwater movement in these drifts, aiming at developing a suitable drainage technique, indicates that winter rainfall is the most important single cause of the rise of the water table.

Field experiments were undertaken to define soil moisture depletion curves. It is intended to use these curves in a new method of calculating the amount and frequency of run-off for the design of drainage systems in irrigation districts. In this system, the soil in the root zone is treated as a reservoir with an inflow (irrigation), outflow (evapo-transpiration), and spillway flow (run-off).

Investigations of water-logged and saline soils in the south of the Parishes of Winnindoo and Denison in the Macalister Irrigation District were carried out, and exploratory boring revealed fairly extensive saturated gravel beds underlying part of the area. When these beds are tapped, water flows to the surface, and the possibility of groundwater control by installing flowing bores alongside deep surface drains, and by groundwater pumping, is now being examined.

Weed Control.

The value of chemical weed control in channels has now been proved beyond doubt and the benefits of cleaner channel systems are becoming increasingly apparent. For example, in the Swan Hill, Kerang, Cohuna, and Tongala districts, increases in effective channel capacities of between 10 and 20 per cent. have occurred over the last two years, largely because of chemical weed control. As further work reduces the weed population, even greater increases in distribution efficiencies will be obtained.

Research was concentrated on weeds in drains, particularly water couch grass. Extensive tests on this weed indicated that a new chemical is particularly promising, and effective control has been achieved at a cost of approximately 10s. per chain. Further trials will be conducted next season to confirm this and also to ensure that the material is completely safe to use on a large scale.

Comparative tests on common *paspalum* also gave good results and it has been shown that "Dalapon" is the most effective chemical for controlling this weed.

Efficient Water Use.

Work on efficient water use has been carried out for several years in vineyards and citrus groves at Red Cliffs and Merbein, and similar investigations on pastures were started during the year at the Swan Hill and Rochester centres. These investigations will include measurement of rates of flow and depths of water penetration, thus providing information for the design of land layout for irrigation by gravitation. Lack of knowledge of these principles is a major cause of wastage of water through incorrect irrigation practices such as very slow watering and excessive penetration.

To assist with these investigations, Mr. Eugene Gorman, Q.C., made available 75 acres of his "Carinya" property at Rochester, which has been laid out and subdivided specifically for research studies. Experimental work to develop controlled watering techniques will commence on the property in 1959-60.

Leakage from Meter Outlets.

Much water is wasted through leaking channel structures, particularly through meter outlet doors. Even minor seepage causes ideal conditions for weed infestation in farm channels immediately below the outlet, where a clean channel is essential to correctly record flow.

Several types of synthetic rubber sealing strips were designed for incorporating in the precast concrete structures now under test in various districts. A lot of interest has been shown in the work, and results indicate that the method will have widespread use.



The improvement of small irrigation structures is one of many aspects of efficient water use being studied by the Commission's research officers. The use of concrete stops of this and similar types available commercially has increased efficiency on many irrigation farms.

Stabilization of Embankments.

Creeping saltbush (*Atriplex semibaccata*) has shown great promise as a plant suitable for the revegetation of embankments to prevent erosion. Seed sown under a straw mulch on a trial section of the Cattnach Canal spoil banks produced a complete cover during the first season's growth.

Using a modification of the experimental method, 22 acres of spoil banks of the Cattnach Canal were subsequently treated as a large-scale practical trial, fertilizer being applied by an aeroplane. A further 20 acres sown included part of the Main Eastern Channel at Maffra, a borrow pit at Lysterfield and the main embankment of the Tullaroop Dam.

The different erosion problems confronting the Commission provided the opportunity to obtain information about the suitability of creeping saltbush in a variety of situations. Test areas were therefore established wherever a particular erosion problem existed.

Experiments were designed to indicate the best time and method of harvesting and sowing seed, the need to pre-treat the seed or the embankment surface, the types and quantities of fertilizers required, and any limitations on establishment due to climate. Information was also sought regarding the best quantity of straw mulch, possible superior alternatives to bitumen as a mulch binder, and the suitability of various strip and spot establishment techniques.

Extension Activities.

In association with the research programme, increasing emphasis has been placed on extension activities, that is, advising irrigators of the results of research. The Commission's show exhibit, which appeared at twelve shows during the year, is proving a useful method of achieving this objective.

A new film entitled "Water Our National Asset", outlining the activities of the Commission in operating and maintaining an irrigation system, was prepared for showing to irrigator audiences.

Irrigated farm and pasture competitions were conducted at Swan Hill in conjunction with the Agricultural and Pastoral Society.

Extension work was also directed to children at a number of schools in irrigation areas. Lessons were prepared on irrigation subjects, and it is proposed to expand this work during the following year.

Co-operative Agricultural Investigations.

In conjunction with the Department of Agriculture, soil surveys were continued in the Rodney District and in the Dunbulbulane area of the North Shepparton District and surveys of the Rochester and Campaspe districts were commenced. The total area for which field work was completed during the year amounted to 87,000 acres.

In addition to the co-operative agricultural investigations described in previous reports, a new land reclamation plot was established by the Commission and the Department of Agriculture in a saline area at Winnindoo in the Macalister Irrigation District. The Commission also helped the Melbourne University Agriculture School with a survey designed to investigate the most effective method of informing irrigators of the latest scientific advances. Results of this survey will be applied in the Commission's extension programme.

In conjunction with the C.S.I.R.O. Commonwealth Research Station, Merbein, and the C.S.I.R.O. Division of Meteorological Physics, Aspendale, a study of the relationship between water usage and frost protection was arranged at Red Cliffs and Merbein. The objective is to discover whether low water usage in early irrigations reduces the degree of frost protection obtained from irrigation.

Irrigation Production 1957-58.

The value of production under irrigation in Victoria's country districts in 1957-58 was a record £53,000,000. It compared with the previous highest figure of £47,000,000 established in 1956-57. Nearly a third of the increase of £6,000,000 was due to 1957-58 being the first year in which tobacco production by private diverters in the north-east of the State was recorded, and allowing for this factor, 1957-58 production was 10 per cent. above 1956-57.

Irrigation output was estimated to be a sixth of Victoria's total primary production in 1957-58. Details are set out below :—

Irrigation Districts—*

	£	£
Milk and Milk Products	12,350,000	
Beef and Veal	2,225,000	
Wool, Lamb, and Mutton	6,200,000	
Pigmeats	2,350,000	
Poultry and Eggs	1,425,000	
All Livestock	—	24,550,000
Dried Vine Fruits	8,275,000	
Table and Wine Grapes	650,000	
Canning Fruits	4,925,000	
Fresh and Jam Fruit (Deciduous)	1,925,000	
Citrus Fruit	1,150,000	
All Horticulture	—	16,925,000
Vegetables .. .. .	..	3,450,000
Other Primary Products .. .. .	..	1,625,000
Total District Production .. .. .	..	46,550,000
Private Diverters .. .. .	..	6,450,000
Grand Total .. .. .	..	53,000,000

* Includes First Mildura Irrigation Trust.

The "sheep equivalent" of livestock carried at 31st March, 1958, was a little above 4,000,000, an increase of 5 per cent. over the previous year and 33 per cent. above the figure registered five years earlier.

Milk production was up 6 per cent. on 1956-57 but this was offset by lower values for wool, lamb, mutton, and pigmeats, resulting from lower prices. Beef and veal production was steady and there was little change in the total value of livestock production.

Much higher returns were enjoyed by all sections of the fruit-growing industry. Vine fruit production rose about 10 per cent. and prices were also much higher; canning fruit production was a record and prices well maintained; and both output and prices of deciduous fresh and jam fruit and citrus fruit were well above the preceding year.

Mainly due to a smaller output of tomatoes, vegetable production fell by 12½ per cent.

An outstanding feature was the increase of 25 per cent. in output from lands irrigated under diversion licences and permits.

Dairy Herd Championships.

In both the Association and Standard Herd Tests for 1957-58 the leading herds came from the irrigation districts, being those owned by Messrs. F. W. Fidler of Werribee and Mr. W. P. Drechsler of Swan Hill, who also owned the leading individual cows.

Average yield of tested cows in the Goulburn Valley was 299 lb. of butterfat, 2 lb. higher than the previous year. although in the non-irrigated areas, tests averaged about 20 lb. lower than in 1956-57.

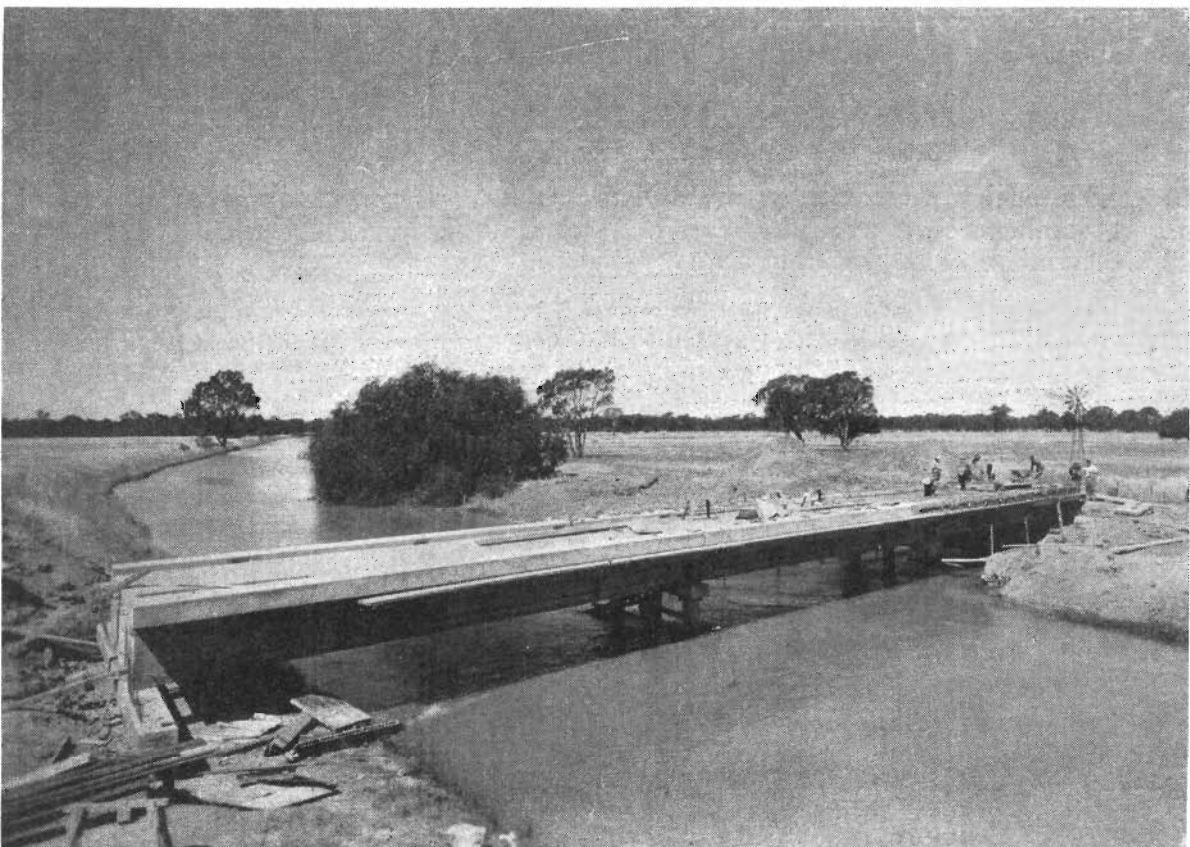
Farm Water Supplies.

Inspections were made on 239 properties, mainly to give advice regarding the construction of earthen storages on gullies and creeks. Further advice was given on irrigation layouts to landowners on the Loddon River between Cairn Curran Reservoir and the Loddon Weir, an extra 1,000 acre feet of water made available by the Commission stimulating further development along this section of the river.

GOULBURN IRRIGATION SYSTEM.

Shepparton Centre.

With completion of the first stage of the East Goulburn Main Channel, extra water rights were allotted in Shepparton and Katandra districts in accordance with the Commission's programme for allocating the additional water from Eildon Reservoir. The increases were 1,274 acre feet in Shepparton District and 1,906 acre feet in Katandra District.



One of many new bridges in the Goulburn Irrigation System constructed from pre-cast elements manufactured in the Commission's factory at Tatura.

Water deliveries totalled 68,073 acre feet, representing an average of 1 acre foot per acre irrigated. Compared with 1957-58, an additional 1,300 acres of orchards were irrigated, but the area under perennial pastures was 600 acres less.

Katandra Main Outfall Drain was extended to the Shepparton-Yarrawonga Road; a new concrete check was constructed on Kaarimba Main Channel; and $4\frac{1}{2}$ miles of the No. 15 Channel between the East Goulburn Main and No. 1/15 Channels were remodelled.

Floods on the Goulburn and Broken Rivers became critical on 19th August, 1958, and large areas were inundated along Pine Lodge, Congupna, O'Keefe's, and Broken Creeks. Loch Garry regulator was operated in accordance with normal procedure. In the Shepparton Irrigation District, drains speedily removed storm water.

Tatura Centre.

Flooding occurred here also following the August, 1958, rainfall, and depressions through which there were no excavated drain held water for several months.

Deliveries of water were again high, 125,540 acre feet being delivered to 110,575 acres of land. Compared with 1957-58, the area of permanent pasture irrigated increased by 19,850 acres, but annual pastures were lower by 23,900 acres. The area of orchards rose by 700 acres.

Old structures replaced by concrete comprised 34 checks, 17 culverts, 16 outlets, 6 subways, 2 syphons, and 2 combined bridge and checks.

On the Cattnach Canal, 9,835 cubic yards of quarry waste were spread on the batters of the channel to prevent wash by wave action. Reference is also made on page 17 to other soil stabilization work on this main channel.

Tongala Centre.

Heavy rain in July and August, 1958, caused extensive flooding in many places, but where there were drains, mostly in the areas of intense culture, little prolonged flooding was experienced.

The Mosquito Depression, which begins near Murchison, continued to flow for several months, and the Murray Valley Highway at the "Bay of Biscay". Kanyapella, where extensive drainage works were in progress, was again flooded.

Demand for water was heavy between December and March, 1959, with only three interruptions through rain. A total of 72,069 acre feet of water was delivered to the land in Tongala-Stanhope District, an average of $1\frac{1}{2}$ acre feet per acre irrigated. The area irrigated under permanent pasture rose by 3,600 acres compared with 1957-58, and the area of orchards was 136 acres higher.

Additional water rights totalling 1,015 acre feet were allotted to small holdings in Tongala-Stanhope District on the basis of $1\frac{1}{4}$ to 1 on the commanded and suitable area, with a maximum of 50 acre feet.

The successful treatment of submerged weeds in Waranga-Deakin Main Channel in the winter of 1958 enabled this channel to run at a much lower level during peak demand. Chlorinated benzene successfully eradicated pondweed in drains.

Pyramid Hill Centre.

Rainfall at Pyramid Hill was $21\frac{1}{4}$ inches, approximately 8 inches above the average. Of this, $6\frac{1}{2}$ inches fell in July, August, and September, and irrigation did not start until October.

Despite the wet spring, dry conditions in April and May caused a heavy autumn demand, resulting in a total delivery of 66,505 acre feet in districts controlled from the centre.

Despite lower deliveries, distribution efficiencies of 52 per cent., 71 per cent., and 88 per cent. obtained in Tragowel Plains, Calivil, and Dingee districts respectively, were almost the same as the record efficiencies of the previous season. As expected, the higher efficiencies were in areas of more intensive irrigation development with higher water rights enabling greater proportions of the holdings to be irrigated.

About 40 miles of irrigation supply channels were remodelled, and the eradication of cumbungi by chemical spraying was continued.

Reconstruction of Serpentine Weir, on the Loddon River, was completed ; 40 new channel structures were built ; 120 steel doors were installed on meter outlets and a number of farm structures were built for private landowners.

Boort Centre.

Late spring rains delayed the full commencement of irrigation until November but despite this and some water rights not being used, 23,300 acre feet of water were delivered for the season.

The rate of delivery in several sections was increased considerably by improved district channels and structures. The Waranga Western Main Channel was sprayed over 44 miles to eradicate ribbon weed and pondweed.

The enlargement of the first $8\frac{1}{2}$ miles of the Waranga Western Channel west of Loddon Weir was completed for a distance of more than 3 miles.

Rochester Centre.

Rainfall was $29\frac{1}{2}$ inches, nearly 9 inches above average. Because of the wet spring, only 337 acre feet were delivered to the end of October, compared with nearly 30,000 acre feet to the same date in 1957-58 and the total delivered, at 79,432 acre feet, was the second lowest for eight years.

Extra water rights for small holdings, based on $1\frac{1}{4}$ to 1 total water rights up to 50 acre feet, became effective, and 139 district irrigators shared an allocation of 884 acre feet of extra water right.

Forty-one miles of channels and drains were cleaned, and 1 mile of the deep-cut section of the East Campaspe Main Channel was remodelled. Weedicides were used on 52 miles of drains.

The replacement of wooden meter doors with steel doors continued. Almost 1,000 steel doors have now been fitted, leaving nearly 700 still to be done.

TORRUMBARRY IRRIGATION SYSTEM.

Kerang Centre.

Rainfall was $16\frac{1}{4}$ inches but only half an inch fell after the end of December, and there was a heavy summer and autumn demand for water. A total of 77,192 acre feet was delivered, compared with the record of 111,587 acre feet in the previous season, but the area irrigated was 95,185 acres, only 2,000 acres less than in 1957-58.

On the Macorna Channel, replacement of the old timber Nine Mile Creek Flume with a precast concrete structure was completed, this being the last of seven flumes requiring replacement on this channel. Twenty-one minor channel structures were reconstructed in the district, and several others were in progress at the end of the season. Installation of new meter outlets and steel doors on outlet structures was continued.

Weed spraying in all districts improved ability to deliver peak demands. In addition, $27\frac{1}{2}$ miles of district channels and drains were remodelled with excavators, and encouraging results were obtained in cleaning 20 miles of drains with a Parex ditcher.

Swan Hill Centre.

Rain at Swan Hill totalled $14\frac{1}{2}$ inches but only 2 inches fell in the last 6 months. Water deliveries were 31,573 acre feet, a reduction of 37 per cent. from the record amount delivered in the previous year.

A favourable season for dried fruits was experienced, 1,918 tons of high quality fruits being processed at Woorinen and Tresco packing sheds.

Five prestressed concrete bridges over channels were completed and a further three were commenced. Four old timber regulators were replaced with new concrete structures. A vigorous weed-spraying programme prevented any recurrence of the prolific weed growth of the previous season.

A pilot drainage scheme was put in hand for the Swan Hill Irrigators' Research Farm and an adjoining property on the Tyntynder Flats. The performance of this scheme will provide valuable information for future drainage works in the area.

A lot of drainage work was done in the Tresco District, two main lateral systems being completed at a cost of approximately £11,000. Sub-surface drainage facilities are now available to properties along these mains.

Cohuna Centre.

Rainfall for the year of 18 inches was $3\frac{1}{2}$ inches above average, but only 4 inches fell from March to June, and there was a high demand for water in March and April.

Deliveries of 79,844 acre feet comprised 64,600 acre feet through district channels and 15,244 acre feet to holders of diversion licences and permits. Delivery efficiency was 51 per cent.

Intensive remodelling and cleaning of channels and drains continued, mechanical plant accounting for 26 miles of channels and 26 miles of drains, while 98 miles were treated with chemicals. Also, $5\frac{1}{2}$ miles of new channels and drains were completed.

Replacement of most of the upper part of Gunbower Weir began, inspections having shown that this 70-year old timber structure had reached an advanced stage of deterioration.

Arrangements were put in hand for the electrification of the gate-operating gear of the Torrumbarry System Headworks Regulator.

A start was made on installation of flow meters on pumps for and at the cost of private diverters, 113 being placed in operation during the autumn, leaving a further 120 pumps to be metered in the Gunbower Creek and adjoining areas supervised from Cohuna office.

MURRAY VALLEY IRRIGATION DISTRICT.

Above-average rainfall in spring delayed irrigation until late September, and on account of scattered storms, irrigation did not reach a peak until autumn. However, the 101,346 acres irrigated used 152,602 acre feet of water, representing an average of approximately $1\frac{1}{2}$ acre feet per acre.

Compared with 1957-58, the area irrigated increased by 7,600 acres of annual pasture and 600 acres of orchards, but the areas irrigated under permanent pasture and lucerne dropped by 3,300 and 2,000 acres respectively.

Plans of layouts for irrigation were supplied to 52 irrigators and 2,600 acres were contour-surveyed.

An outfall was provided from Channels No. 5 and 3/5 by the construction of 91 chains of drainage channel in Wild Dog Creek and the provision of an outfall structure at the start of the channel. Drainage channels totalling 73 miles are in operation, mainly to serve the intense culture soldier settlement areas.

Weeds and silt were removed from $1\frac{1}{2}$ miles of the Yarrawonga Main Channel.

PUMPING DISTRICTS.

Red Cliffs.

Rainfall of $13\frac{1}{2}$ inches was above average but most fell in spring, after a dry winter. There was little after January and the drying season was good.

Production of dried fruit was 15,922 tons compared with 20,105 tons in 1957-58. Five per cent. of the crop was lost through hail in November and a heat wave in January.

Almost 80 per cent. of timber silt boxes installed in 1934 have been replaced with concrete units made from 24-inch diameter pipes. Twenty-nine chains of main channel and $2\frac{1}{2}$ miles of distributary channels were repaired by guniting and 11 chains were replaced with pipelines. A new flexible crack-sealing material was used with good results, and paspalum was effectively sprayed with "Dalapon" along 12 miles of channel.

Particulars of the six general irrigations given in 1958-59 are :—

Irrigation Number.	Period.	Acre Feet Pumped.	Equivalent Average Depth per Watering.
1 } A	3rd September to 20th September, 1958	4,304	7.3
* } B	30th September to 3rd October, 1958	860	6.9
2	28th October to 20th November, 1958	6,490	6.9
*3	11th December to 3rd January, 1959	5,592	6.2
*4	7th January to 4th February, 1959	6,819	7.0
5 } A	19th March to 26th March, 1959	1,335	8.2
5 } B	31st March to 20th April, 1959	5,654	7.7
6	27th April to 9th May, 1959	2,945	5.4
Total for Season 1958-59		33,999	7.0

* Interrupted owing to rain.

(Figures do not include special irrigations 4th to 7th July, 1958, of 578 acre feet ; 27th February to 1st March, 1959, of 490 acre feet ; and run-through after the 4th irrigation of 582 acre feet.)

Merbein.

Spring rainfall was unusually heavy. Twelve inches fell to 31st December, and 15 inches for the whole year. In January, the worst heatwave for 20 years was followed by torrential rain.

Harvesting conditions were ideal and yields were good except for scattered hail damage. Production of 11,603 tons compared with 12,376 tons in 1957-58.

A relief drainage scheme for Wren's Swamp was completed and is operating satisfactorily.

Four miles of main channel and 3 miles of distributary channels were repaired using cement mortar to plug cracks in the lining, as well as several types of elastic membrane material. Paspalum was sprayed along nine miles of channel.

Particulars of the six irrigations given in 1958-59 are :—

Irrigation Number.	Period.	Acre Feet Pumped.	Equivalent Average Depth per Watering.
1 } A	9th September to 19th September, 1958	4,855	7.0
* } B	22nd September to 11th October, 1958		
2	10th November to 12th December, 1958	3,573	6.7
3	15th December, 1958 to 3rd January, 1959	4,365	6.0
*4	15th January to 12th February, 1959	6,087	7.4
5 } A	5th March to 12th March, 1959	1,022	8.4
5 } B	1st April to 23rd April, 1959	4,928	7.5
6	6th May to 18th May, 1959	2,538	4.7
Total for Season 1958-59		27,368	6.8

* Interrupted owing to rain.

(Figures do not include special irrigation 30th June to 6th July, 1958, of 715 acre feet ; special run-through of 1,586 acre feet at the end of the 4th irrigation ; and a special irrigation, 23rd to 28th June, 1959, of 526 acre feet.)

Nyah.

Good seasonal conditions for dried fruits meant increased tonnages and higher grades. Exclusive of fresh fruit consignments to markets and distilleries, 2,459 tons of dried fruit were delivered to local packing sheds, compared with 2,416 tons in 1957-58.

One hundred acres of vegetables, mainly pumpkins, were grown and other products gave good results.

Particulars of the six irrigations given in 1958-59 are :—

Irrigation Number.	Period.				Acre Feet Pumped.	Equivalent Average Depth per Acre.
1	17th September to 3rd October, 1958	..	..	..	1,188	6.5
2	8th November to 25th November, 1958	..	..	..	1,340	6.3
3	4th December to 21st December, 1958	..	..	..	1,418	6.1
4	30th December, 1958, to 20th January, 1959	..	..	..	1,892	7.8
*5	{ 21st January to 26th January, 1959	..	..	..	2,091	7.7
	{ 2nd February to 20th February, 1959	..	..	..
6	15th April to 5th May, 1959	..	..	..	1,691	8.7
Total for Season 1958-59					9,620	7.2

* Interrupted owing to rain.
(Figures do not include special irrigations 1st to 12th July, 1958, of 354 acre feet, and 11th to 22nd March, 1959, of 291 acre feet.)

Robinvale.

All 246 blocks produced for the first time and coupled with very good conditions the production of dried fruits was a record 7,873 tons (an average of 32 tons per block) compared with last year's production of 6,080 tons (an average of 28 tons per block).

Good progress was made with sub-surface drainage, 31½ miles of main drains being completed on systems Nos. 1, 2, 3, 4, 5, plus 3 miles on No. 6. Thirteen block drainage pumps were installed for holdings which cannot be drained by gravitation and five measuring devices completed. Outfall points are now provided to 138 blocks and 51 miles of tile drains have been installed at an average of 67 chains per block.

Six general irrigations were provided as follows : —

Irrigation Number.	Period.				Acre Feet Pumped.	Average Measured Depth of Water.
1	11th September to 28th September, 1958	..	..	..	2,138	5.8
*2	{ 11th November to 12th November, 1958	..	..	..	1,507	4.3
	{ 16th November to 20th November, 1958	..	..	..
	{ 24th November to 30th November, 1958	..	..	..
3	12th December to 26th December, 1958	..	..	..	2,025	5.3
4	6th January to 26th January, 1959	..	..	..	3,351	8.8
5	31st January to 19th February, 1959	..	..	..	2,316	6.1
6	14th April to 30th April, 1959	..	..	..	1,897	5.1
Total for Season 1958-59					13,234	5.9

* Interrupted owing to rain.
(Figures do not include special irrigations from 3rd to 10th July, 1958, of 558 acre feet ; 14th March, 1959, of 330 acre feet ; and from 29th May to 6th June, 1959, of 214 acre feet.)

SOUTHERN SYSTEMS.

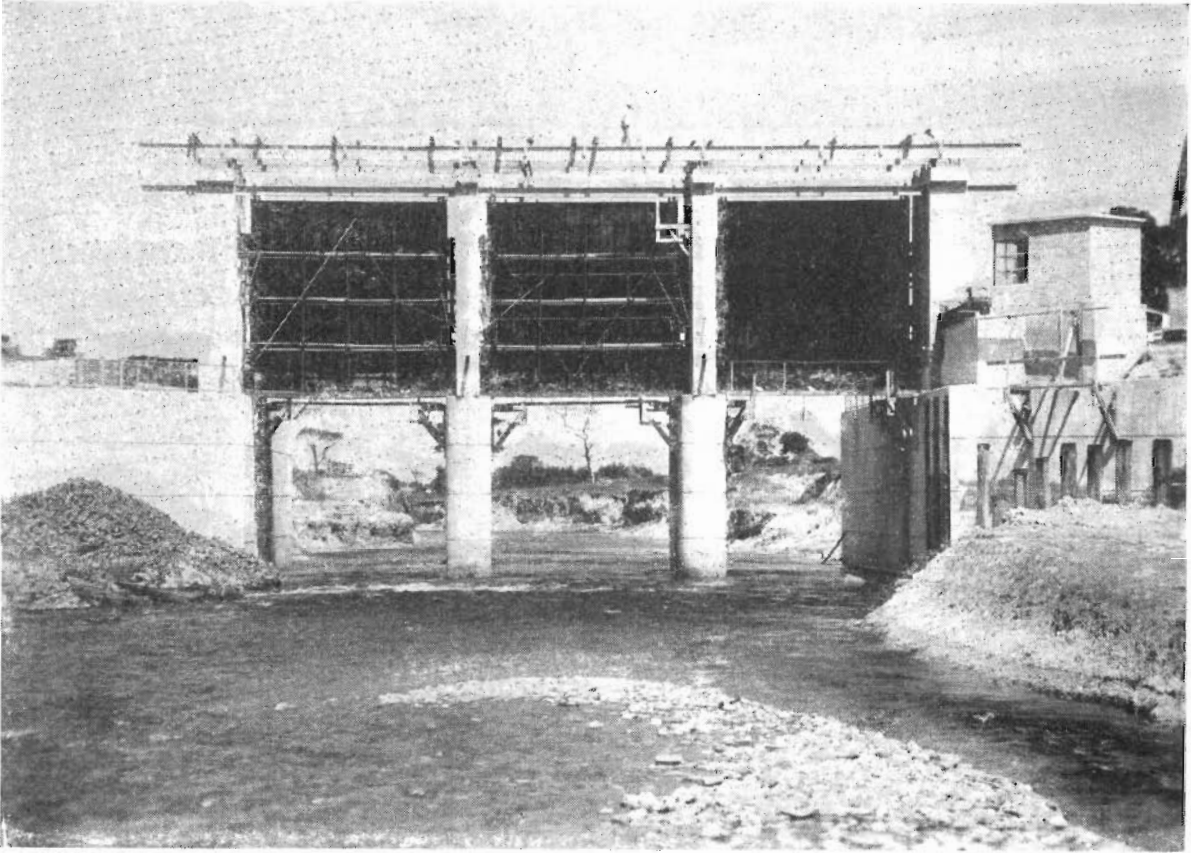
Maffra Centre.

Rainfall was again below average. A record heat wave in January, with temperatures on six successive days over 100 degrees caused a heavy demand for water and the record water deliveries of last year were exceeded.

Cleaning of the Main Sale Channel, the principal item of maintenance, enabled additional supplies from the Main Eastern Channel to be distributed. Weed-spraying of drains was continued and proved more economical than previous methods of drain maintenance.

The completion of the Cowwarr Weir on the Thomson River allowed a flow to be maintained in the old course of the Thomson River for private diverters who had been affected by the "breakaway" which changed the flow of the river to what had been known as Rainbow Creek.

A trial plot was established in the Winnindoo area to demonstrate growth of pastures on salt-affected irrigated areas. Advisory Committees were set up to regulate diversions from the Thomson River and Valencia Creek.



Installation of three gates on Cowwarr Weir on the Thomson River has completed this construction job which has the dual function of increasing water supplies to Nambrok Denison and controlling a breakaway in the Thomson River known as Rainbow Creek.

Werribee Centre.

Rainfall was again below average. Water deliveries were 113 per cent. of water right allocation for Werribee and 161 per cent. for Bacchus Marsh.

The gunite relining of channels at Werribee was continued and a further 5 miles of channels were completed, bringing the total relined up to 29 miles. Work began on installing steel meter outlet doors and renovating meter emplacements.

At Bacchus Marsh, repair work was mainly concentrated on maintenance of old and deteriorating concrete linings on spur channels. Several measuring structures were installed to find where losses are most evident.

A chemical spraying programme to control weed growth in drains was continued, with satisfactory results in both districts.

OTHER IRRIGATION.

Wimmera.

The 28 dairy farms at Horsham and the eight farms at Murtoa, all for the Soldier Settlement Commission, are now fully established, and with efficient use of water, excellent results are expected. The total area of these farms is 2,200 acres.

Approximately 20 miles of channels were sprayed to control cumbungi and cattail, and several minor structures were replaced.

Private Diverters.

During the year, 4,036 persons were authorized to irrigate 128,277 acres throughout the State, these figures being respectively 15 and 11 per cent. higher than in the preceding Year. Appendix H summarizes all authorized diversions.

In addition to land irrigated under permits, licences, and agreements, 18,435 acres outside constituted districts were irrigated under "sales", compared with 35,042 acres in 1957-58.

First Mildura Irrigation Trust.

The Trust reports that four ordinary and five special irrigations were run in the 1958-59 season from 30th June to 11th May, a total of 42,771 acre feet being pumped at an average depth per watering of 7.0 inches.

The new Psyche Bend pumping station was substantially completed. Having finished its pump modernising programme, the Trust expects to supply by agreement a large number of additional properties in 1959-60 although lack of distribution and drainage facilities will prevent a supply being given to many of the applicants for water.

Coliban Irrigation.

See under Town Water Supplies.

DOMESTIC AND STOCK SUPPLY.

Wimmera-Mallee Division.

Watering.

Seasonal conditions during 1958-59 were again good and all domestic and stock requirements were met.

Due to the good seasonal conditions, together with the efficient running of channels, the times taken to deliver water in practically all sections of the system were below average.

Sand Drift Control.

Measures to reduce sand-drift were again carried out, but owing to dry conditions in autumn and early winter, the cost of sand removal was £73,814 compared with £64,547 the previous year.

Specialized plant—mostly "ditcher" type—cleaned and remodelled approximately 4,400 miles of channels.

Rainbow West Supply.

This pipeline scheme, described in the 1957-58 Annual Report, has been in operation satisfactorily for more than a year, including a spell of extremely dry and hot weather early in January.

Channel Enlargement and Construction.

With the completion of the Lubeck section of the Rocklands Outlet Channel, water from Rocklands Reservoir on the Glenelg River can now be delivered to any Wimmera-Mallee main channel, except the Charlton Channel which draws water from Lake Lonsdale to serve 1,130 square miles of relatively high land.

However, to eliminate the dependence of the Wimmera-Mallee on water from the Goulburn and Loddon Rivers, it will be necessary to complete the enlargement of five main channels to take additional quantities of water to the Waranga-Mallee Channel.

One such main channel, the East Karkarooc, was enlarged in 1957, and work on the four others began this year. These are the East Laen, Donald-Morton Plains, Donald Main, and Bunguluke, and 75 per cent. of the earthworks and 30 per cent. of the structures along them were completed. When they are finished, the Wimmera-Mallee System will be independent of water from the Goulburn-Loddon System.

In addition, 4½ miles of distributary channel were constructed to supply landholders in the Antwerp-Tarranyurk area, and the Quantong East Channel was extended 4¼ miles to serve an area not previously supplied. Two precast highway bridges were built on the Wimmera Inlet Channel to replace two old wooden structures on the Western Highway.

Walpeup West Bores Area.

The number of bores put down from 1911 to 1930 totalled 109. Of these, twelve have been sold to private landowners as being no longer needed for public purposes, three have been taken over by the Murrayville Shire, and 55 have been closed down—mostly in areas where all farmers now have private bores. This leaves a total of 39 now operating under the Commission's control.

In the post-war period, a programme of rehabilitation has been carried out on the Commission's bores, including re-lining and replacement of mill heads and tanks. Work on 37 has been completed, six during the year, leaving two to finish the programme.

Loddon Waterworks District.

Sections of the main Bridgewater Domestic and Stock Channel were remodelled and deepened—being the first time the channel has been enlarged since it was constructed in 1884 by the first rural waterworks trust in the State set up to provide domestic and stock water supplies to the Northern Plains.

Private Diverseters.

The number of permits to take a domestic and stock supply was 1,684, an increase of 14 per cent.

FLOOD PROTECTION, DRAINAGE, AND RIVER IMPROVEMENT.

Koo-wee-rup and Cardinia Flood Protection Districts.

In the Koo-wee-rup District, the large No. 6 Yallock Drain leading to the Yallock Outfall was regraded and substantially enlarged by mechanical excavators for the lower $2\frac{1}{2}$ miles of its length of $7\frac{1}{2}$ miles. Maintenance in the district included reconditioning 5 miles of subsidiary drains by mechanical excavators, spraying $13\frac{1}{2}$ miles of drainage channels with weedicide, and cleaning 65 miles of drainage channels by manual labour. Four timber bridges were reconditioned and twelve repaired as required.

Privately owned suction plants, operating under arrangement with the Commission, removed 8,500 tons of coarse clean sand from the Koo-wee-rup Main Canal. Since these plants commenced operation in 1925, 937,500 tons of sand have been removed from the Main Canal which is the canalised lower section of the Bunyip River.

In the Cardinia District, maintenance involved spraying 16 miles of drainage channels with weedicide, cleaning 31 miles of drains by manual labour, repairing seven bridges, reconditioning another two and completely reconstructing three more.

Carrum Drainage District.

Approximately 4 miles of the north bank of the Carrum Outfall Drain (Patterson River) were raised to 6 feet above the level reached in the 1934 flood. This work involved 330,000 cubic yards of earthwork and the contract price was £63,000.

Maintenance included reconditioning $2\frac{3}{4}$ miles of drainage channels by mechanical excavator, cleaning $2\frac{3}{4}$ miles by manual labour, and spraying 17 miles with weedicide.

Eight bridges were repaired and painted and repairs effected to stone beaching on the north bank of the Patterson River.

River Improvement Trusts.

Applications were made for the constitution of two new Trusts, one for the Broken River and one for Whorouly Creek, and the formation of further river improvement districts was discussed at public meetings. One proposal is for a River Improvement Trust to embrace the whole of the Shire of Alexandra; others are for sections of the Goulburn River within the Shires of Seymour and Yea respectively, and another for the Moyne River within the Shire of Belfast.

The Tambo River Improvement District was extended to include areas adjacent to the Tambo River near Swan Reach.

Favourable working conditions extended into the winter when river flows were well below normal. Many trusts completed their programmes ahead of schedule and additional funds were made available. Loan expenditure by River Improvement Authorities totalled £183,257, compared with £137,603 in 1957-58.

The Avon River Trust carried out extensive concrete block groyne construction together with protective willow planting, along the Avon River and Freestone Creek. Several experimental willow "cruciform" groynes were placed in the Avon River, and proved that this type would be satisfactory.

The Bendigo Creek Trust continued to remove obstructions and improve the capacity of the creek.

The Kiewa River Trust continued snagging and removing obstructions from the river as its major work to relieve flooding of river flats, and the King River Trust continued snagging and erosion prevention works.

The Latrobe River Trust advanced its programme of snagging that river, cutting floodways across acute bends, and further strengthened the erosion and silt control dams in Eaglehawk Creek.

The Flynn's Creek erosion control works were officially opened by the Minister of Water Supply.

The Macalister River Trust almost completed the major snagging of the Macalister River and constructed several floodways across sharp bends. The Mitchell River Trust did several miles of river snagging, carried out bank protection and repaired breaches in the natural levee banks of the Mitchell River.

The Mitta Mitta River Trust continued bank protective works to check erosion on the banks of the Mitta Mitta River. The Ovens River Trust snagged further sections of the Ovens River, and constructed groynes and other bank protection works along the Ovens and Buffalo Rivers.

The Pental Island Trust carried out extensive surveys for lines of levee banks along the Murray and Little Murray Rivers.

The Snowy River Trust improved the waterway by removing over-hanging trees, carried out bank protection along the Snowy River, and formed anti-erosion plantations adjacent to Lynn's Gulch.

The Tambo River Trust canalised several creeks through its district and constructed drains. The Tarwin River Trust continued snagging and river improvement works along that part of the Tarwin River which had been brought into its district in 1957-58. The Yarra River Trust continued its snagging operations, and has improved 17 miles of the Yarra River. The outlet of Badger Creek was cleared and improved.

Drainage Trusts.

The Yatchaw Drainage Trust deepened and enlarged the main drain of its district at the outfall end.

Rivers and Streams Fund.

The revenue of the Rivers and Streams Fund from 1930 has included licence fees paid for the use of river frontages, and since 1954, the net revenue from fees for private diversions of water also. Total revenue for 1958-59 was £45,169 of which £12,927 came from fees for diversion permits and licences. Grants on a contributory basis to Municipal Councils and other authorities are made by the Minister, the basis being £2 to £1 towards the cost of river improvement work such as the removal of obstructions in streams and the prevention of erosion of their banks. A further 79 grants amounting to £27,278 were made during 1958-59, bringing the total number of grants up to 1,827 and the total amount granted to £476,884.

TOWN WATER SUPPLIES.

Bellarine Peninsula District.

This system is described in the 1954-55 Annual Report.

Water supplied in bulk by the Geelong Waterworks and Sewerage Trust was 389 million gallons.

Rapid expansion of Anglesea necessitated restrictions from 21st January to 6th March, 1959, to ensure supply to the higher levels of the township. Construction began on a new high-level service basin of 2.4 million gallons capacity to relieve the position, and was substantially completed by the end of the year.

Approximately 3 miles of new mains were laid in the Anglesea, Barwon Heads-Ocean Grove, Point Lonsdale-Queenscliff, Portarlington, Torquay, and Birregurra Urban Districts and the Bellarine Peninsula Waterworks District.

Mornington Peninsula District.

The rate of development in the towns supplied by the Commission eased slightly, 2,415 new services being added during 1958-59 compared with 2,874 in the previous year.

On 1st July, 1958, and 2nd February, 1959, control of water supply to two portions of the Dandenong-Springvale Urban District—covering 20 square miles of rapidly developing residential and industrial land—was transferred from the Commission to the Melbourne and Metropolitan Board of Works. The Board now supplies these areas from its new Upper Yarra Reservoir via a pipe-line from Mount View Reservoir, Mulgrave, to Dandenong Reservoir.

The areas concerned are the high-level area west of Dandenong Creek (transferred on 1st July) and part of the East Dandenong area north of the Princes Highway (transferred on 2nd February). Other transfers from the Mornington Peninsula District are proposed for the not very distant future to further relieve the strain on supplies caused by its continuous and rapid expansion.

Owing to improvements to the main distributary system, water restrictions were much less severe than in previous years and applied to parts only of the district, viz. the Chelsea-Frankston, Dromana-Portsea, and Bunyip, Garfield, and Longwarry areas, where garden watering was confined to certain hours of the day for various periods between 17th December, 1958, and 6th March, 1959.

Work on the Bunyip Main Race was completed, increasing its capacity to 42 cusecs, and a number of occupation, road, and storm water crossings over the race were replaced.

The new 42-in. diameter trunk main between Beaconsfield Reservoir and the Bittern-Frankston Bifurcation was completed. The total length of 15.4 miles of reinforced concrete and steel pipes is now in service.

Duplication of the main pipe-line between the Bittern-Frankston Bifurcation and Bittern Reservoir was almost finished. Of a total length of 12 miles, 2½ miles of 36-in. diameter reinforced concrete pipe, 8½ miles of 33-in. diameter reinforced concrete pipe, and a mile of 33-in. diameter cement mortar-lined steel pipes, have been laid.

Enlargement of the Mornington-Mt. Martha pipe-line was finished, and greatly improved supply to those towns last summer. In the duplication of the Rosebud pipe-line, 5 miles of 36-in. diameter cement mortar-lined mild steel pipe was laid from Dromana Reservoir towards Rosebud.

Approximately 33 miles of extension mains and 7 miles of replacement mains were laid in nine Urban Districts.

At Lysterfield Reservoir, 142,480 eucalypt seedlings were planted on the catchment area, bringing the total to well over 800,000 since 1949. Erosion-prevention works undertaken on the borrow pit area near the outlet tower included the planting of 550 willow cuttings.

Coliban System.

Storages held only 18,180 acre feet at 1st July, 1958, compared with total storage capacity of 56,100 acre feet, but heavy winter rains enabled reservoirs to be filled by the end of August and the irrigation demand was met without restriction. Urban requirements were also fully met except in Castlemaine, where pipe-line limitations required minor water restrictions to be imposed from 21st January to 6th March, 1959—the use of fixed sprinklers being banned between 6 a.m. and 6 p.m. each day.

Channel-lining work was continued on the Main Channel in the Sutton-Grange area. Some relining by guniting was undertaken and the lining was also raised in places to increase its capacity. A deep section of the Main Channel was replaced by 72-in. diameter pipes to avoid the possibility of blockage by earth slides. Pipe siphons totalling 7,100 feet were installed on the Poverty Gully, Swinburne, Lockwood, Emu Valley No. 1, Specimen Hill, Ranter's Race, Spring Gully, and Warren's Extension branch channels, to replace long lengths of open channels around gullies.

To provide for increased diversion of water from the Campaspe River at Ashbourne, the earthen section of the Ashbourne Channel was enlarged over its full $4\frac{1}{2}$ miles. New side spillway structures were installed to release floodwaters at four places along the channel, and a "Parshall" measuring flume was built at the outlet end of the channel.

Approximately 4 miles of extension mains and $6\frac{1}{2}$ miles of replacement mains were laid in Bendigo, Castlemaine, Chewton, and Maldon. To reduce leakage from the old 8-in. diameter wood main supplying Maldon, which was laid in 1915, 139 defective joints were cut out and replaced with short lengths of asbestos-cement pipe, gibault-jointed.

New services in the Coliban District totalled 419 compared with 352 in 1957-58.

Work on the new Castlemaine Reservoir is described on page 35.

Otway System.

Enlargement of the capacity of Donald's Hill Reservoir at Camperdown from 30 million gallons to 42 million gallons was completed.

The second stage of the development of the Gellibrand River Pumping Station was completed, raising its capacity from 2 cusecs to 4.3 cusecs. The station operated for 2,976 hours and 250.4 million gallons were pumped, supplementing diversion by gravitation from Arkins Creek which was estimated to be 800 million gallons.

The pumping plant at Brierly Basin operated for 611 hours during peak demands, to increase the supply to the Warrnambool Trust's low-level storage. Supply to the Warrnambool Trust was 384 million gallons.

The booster pumping station at Terang operated for 1,944 hours. A mile of reticulation extensions were carried out in Terang and Cobden, and 80 new services were connected to the system.

Other Urban Districts.

Water from the Lance Creek Reservoir to the Wonthaggi Urban District was satisfactory in both quantity and quality, and very little treatment was necessary during the year. A mile of replacement mains was laid.

Remodelling of the Charlton storage was completed to increase storage capacity from 43.7 to 53.0 million gallons and Minyip storage was cleaned out.

Waterworks Trusts and Local Governing Bodies.

Seven new town supplies were brought into operation at Balmoral, Dunkeld, Linton, Wurruk, Yallourn North, Yarragon, and Yinnar.

Waterworks Trusts were constituted at Dumbalk and Warrandyte to construct and manage new reticulated water supplies in those townships. The Mt. Beauty Waterworks Trust was also constituted to take over the management of the Mt. Beauty town supply from the State Electricity Commission, and the Wurruk Waterworks Trust was constituted to take over the administration of that town supply from the Rosedale Shire Council. The Shire of Creswick was constituted a Local Governing Body to construct and manage a town water supply system at Smeaton.

There are now 163 local authorities, operating under the general supervision of the Commission, which supply water for domestic, industrial, and agricultural purposes in country towns and adjacent rural areas.

Loan expenditure by these local authorities on country town water supplies in 1958-59 was £1,314,245, the highest annual total to date and £217,416 higher than the previous record established in 1957-58. Of this amount, £34,350 was borrowed privately and £1,279,895 was provided by the Government. This record expenditure permitted good progress with new town supplies and extensions and improvements to existing systems.

In addition, the Government lent the Latrobe Valley Water and Sewerage Board £330,696 towards the Tyers River Water Supply Scheme to provide for rapidly expanding industrial requirements at Morwell and Traralgon. The Board constructed a 32-million gallons service storage at Buckley's Hill, Morwell, and construction of a reservoir of 30,000 acre feet capacity on the Tyers River was approved.

The Geelong Waterworks and Sewerage Trust borrowed £550,000 privately for major additions and extensions to its system and for preliminary work on a large earth and rockfill dam on the West Barwon River.

The total loan expenditure on town water supplies in 1958-59 was thus £2,194,941, of which £1,610,591 was advanced from Government loan funds.

New water purification plants at Seymour and Swan Hill were authorized, and capacity of the plant at Numurkah was doubled. The new plant at Bacchus Marsh, which will provide full treatment including softening, was practically finished.

Ararat City Council completed most of the rising main for a supplementary supply from Lake Fyans, where a pumping station to supply both Ararat and Stawell will shortly be built.

Maryborough Waterworks Trust was authorized to begin constructing a rising main from Tullaroop Reservoir, recently completed by the Commission, and to install pumping plant at the dam.

New headworks storages for Beaufort and Violet Town were authorized, and a new high-lift pumping station and a further stage of the water purification plant at Mildura was started.

Major distribution improvements were undertaken at Bairnsdale, Euroa, Hamilton, Maffra, and Shepparton, and main pipe-line enlargements at Kilmore, Leongatha, Myrtleford, and Warragul.

SEWERAGE AUTHORITIES.

With the constitution of the Corryong Sewerage Authority, there are now 63 sewerage authorities functioning under the general supervision of the Commission. Of these, 37 authorities have sewerage systems in operation, the system at Leongatha being brought into use during the year. In addition, the Commission directly controls the sewerage system at Eildon.

The Korumburra and Sale Authorities began construction of sewerage systems in those towns, and nine authorities at Bacchus Marsh, Camperdown, Casterton, Euroa, Lorne, St. Arnaud, Terang, Wodonga, and Yarrawarra were advised that they could also start works.

Loan expenditure of £1,707,121 under the Sewerage Districts Act compared with the previous highest expenditure of £1,012,783 recorded in 1957-58. In addition, the Latrobe Valley Water and Sewerage Board received £372,083 from Government loan funds towards the cost of the Latrobe Valley Outfall, and the Geelong Waterworks and Sewerage Trust borrowed £250,000 privately to extend the sewerage system under its control, so that capital expenditure on sewerage works in country towns totalled £2,329,204, of which £446,697 was provided from Government loan funds.

Major sewer reticulation extensions were completed or commenced at Ballarat, Bendigo, Colac, Dandenong, Hamilton, Mildura, Mornington, Shepparton, and Warrnambool.

Maryborough and Stawell Authorities are finishing their schemes, and the Springvale and Noble Park Sewerage Authority is well advanced on the system in that rapidly expanding area.

INVESTIGATIONS DESIGNS, AND CONSTRUCTION.

1. *Works Under Construction.*

Goulburn Irrigation System.

East Goulburn Main Channel.

Enlargement of the $31\frac{1}{2}$ mile section of this channel from the Goulburn Weir pool to the Broken River was nearly completed at the start of the year. The contractor for the earthworks for the 21 miles from the Broken River to the end of the channel near Katandra Weir on the Nine Mile Creek completed 12 miles of compacted bank and 4 miles of excavation. The Commission's day labour force is building the structures for this last section and constructed 12 bridges, 9 drainage subways, 3 offtake regulators, and 12 meter outlets.

Other Main Channels.

The first $13\frac{1}{2}$ miles of the new Rodney No. 6 Main Channel was brought into use, and 80 per cent. of earthworks for a further 12 miles was completed. The new channel was used for autumn peak demand.

A contract for the new No. 19/6 Channel in the Rodney District was let and 90 per cent. finished during the year. By day labour in the same district, the Commission completed 11 miles of Channels Nos. 3 and 3/5 and the first 3 miles of Nos. 7 and 8 Channels which serve the new No. 8A or Loop Channel.

Dunbulbulane Soldier Settlement Area.

The Commission completed channel works for the first 25 blocks planted. (See 1957-58 Report for previous reference.)

Tatura Centre.

The factory set up to make precast and prestressed bridge beams and components was in full production, and provided units for 56 bridges.

Drainage Works.

Drainage works at the outfall of the Deakin Main Drain passing through the "Bay of Biscay" have been improved by the construction of the Beattie Depression Floodway which consists of two levee banks extending from the Murray Valley Highway to the junction of the Goulburn and Murray Rivers, forming a floodway between them. There are some 14 miles of levee banks involved, and construction, which was carried out by both day labour and contract, was almost finished by 30th June. Additional drainage outfall capacity is to be provided by enlarging the Deakin Main Drain along the Southern Cross Depression for 7 miles from the Murray Valley Highway to the River Murray. Work began on the remodelling, and the enlargement of some of the road bridges was completed.

In the Rodney District, further work was carried out on the upstream reaches of the Rodney Main Drain to tap the Mosquito Depression.

Investigation and Design.

Plans were completed for the enlargement of 8 miles of the Waranga Western Channel from Loddon Weir to Boort No. 2 Channel offtake, and for 10 miles of No. 14A Channel to serve the western part of North Shepparton District.

Standardized drawings, revised for modern materials and methods, are now available for nearly all structures used for channel works.

Central Gippsland Irrigation Project.

Cowwarr Weir.

Three vertical-lift flood gates on this structure were installed, with provision for electrical automatic operation to regulate safely the flash floods experienced in the Thomson River.

A small timber control structure was built in the old Thomson River course to limit flow to requirements along this stream. A concrete conduit 600 feet long leading from the weir to the Cowwarr Channel—which will bring supplementary water supplies from the Thomson River to Nambrok-Denison—was completed, and half a mile of earthworks on this channel was commenced. The total length of this channel will be about 8 miles.

West Boisdale.

Five miles of ditcher channel, $2\frac{1}{4}$ miles of pipe-line, and 100 associated structures, substantially completed works to irrigate 2,780 acres in this area.

Nuntin-Clydebank.

Approximately $6\frac{1}{2}$ miles of ditcher channel and 80 associated structures were finished. Water distribution was considerably improved by connections between the new Main Eastern Channel from Maffra Weir and the Main Airly and Main Sale Channels.

Murray Valley Irrigation System.

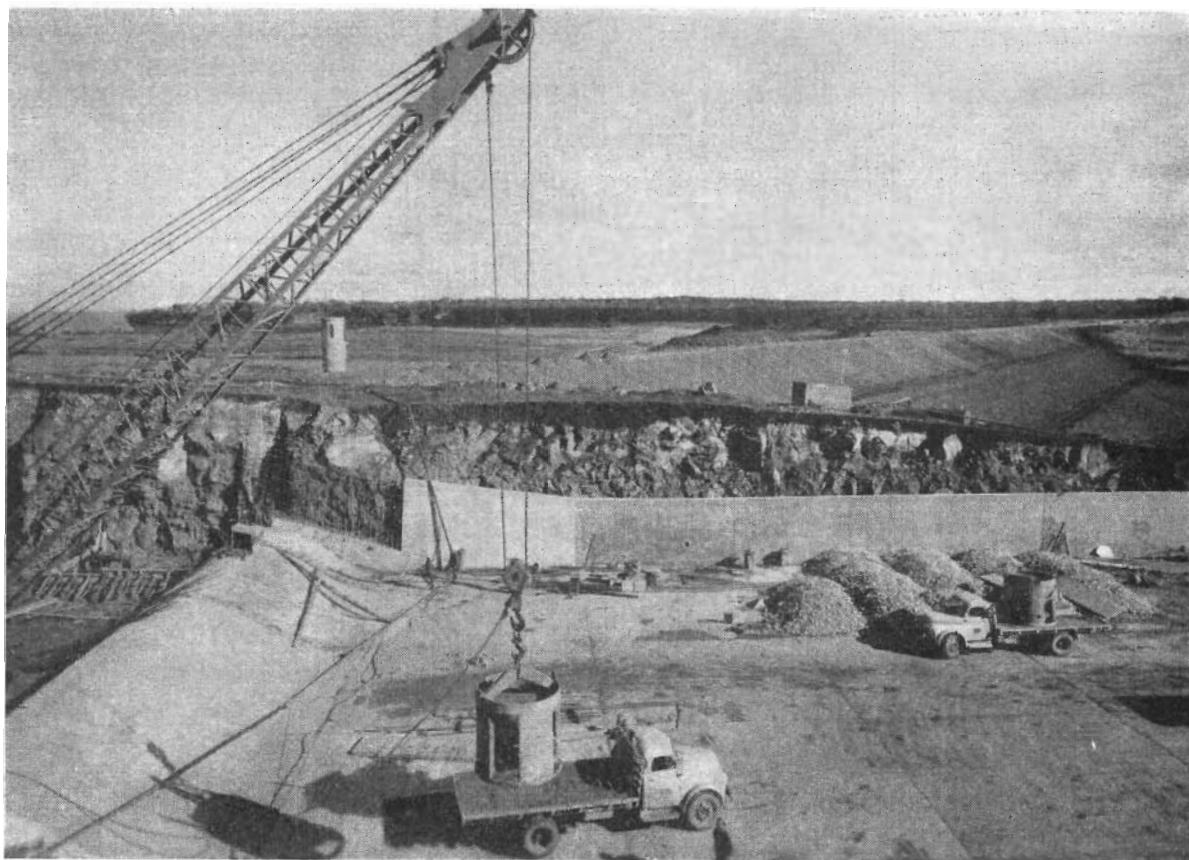
Drain 6 was completed to $22\frac{1}{2}$ miles and approximately 14 miles of spur drains finished, giving a lot of relief to an area where drainage has been a major problem.

Approximately $1\frac{1}{2}$ miles of spurs from Drain 13, plus $1\frac{1}{2}$ miles of Drain 18 and 3 miles of Drain 20 were finished.

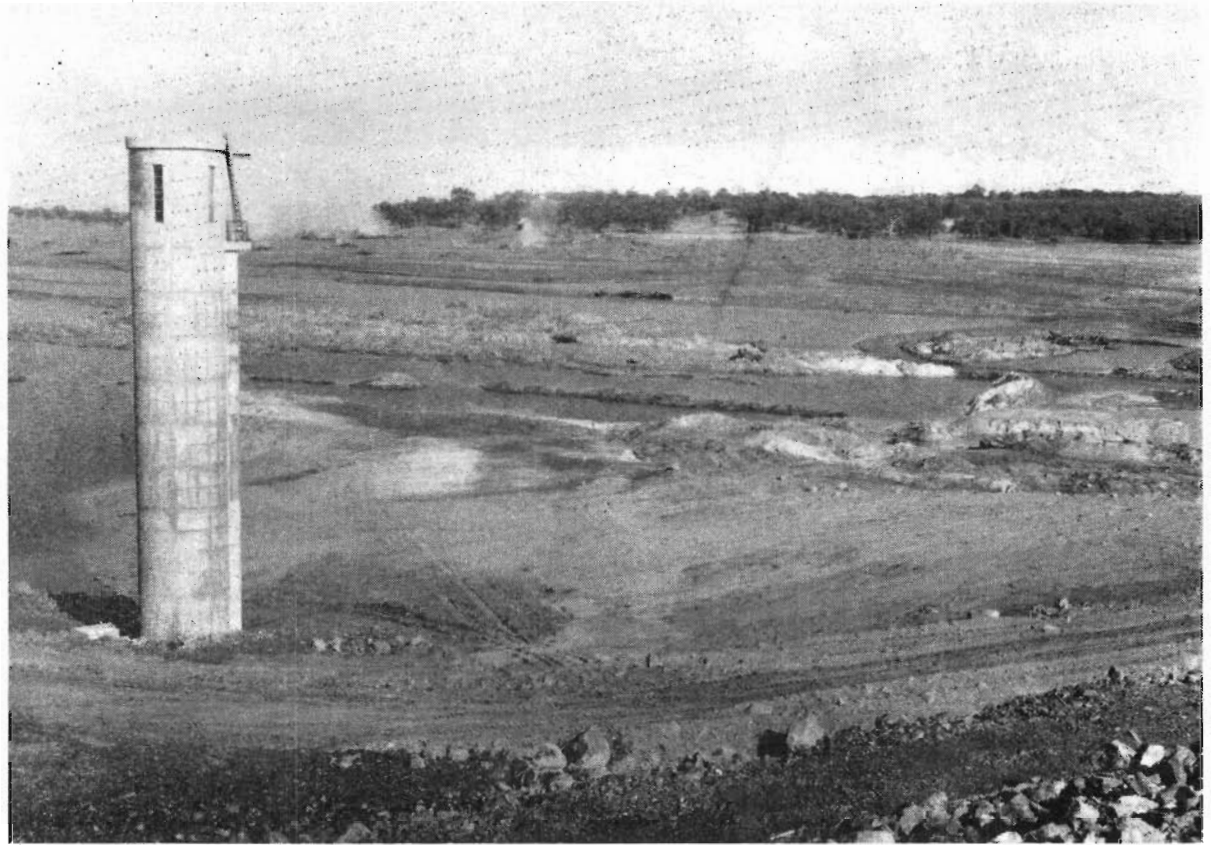
Tullaroop Dam.

This storage of 60,000 acre feet capacity is on Tullaroop Creek, a tributary of the Loddon River, about 5 miles south-east of Carisbrook in Central Victoria.

Its average annual output of 21,000 acre feet will be used primarily to secure the requirements of the town of Maryborough, which will be supplied with water pumped by the the local Trust directly from the Reservoir. However, Maryborough will require only about 1,000 acre feet per annum—a small fraction of the water from Tullaroop—which leaves 20,000 acre feet of water available each year for irrigation and other purposes downstream.



View of Tullaroop Dam under construction showing the main spillway in the foreground and the main embankment in the background. Work was completed well ahead of schedule.



The outlet tower of Tullaroop Dam, viewed from the main embankment. Storage commenced in May, 1959, and water is shown collecting in the background.

The dam comprises a main earth and rockfill embankment 1,300 feet long at its crest and 95 feet above the river bed, and smaller supplementary embankments with a combined length of 3,700 feet. The main spillway has a concrete crest 130 feet long with a lined chute and dissipator 650 feet long, and there is a secondary spillway on one of the supplementary embankments with a concrete and rockfill crest 1,200 feet long.

Outlet works comprise a reinforced concrete intake tower with an internal diameter of $10\frac{1}{2}$ feet, from which a 42-in. diameter steel pipe line fitted with suitable control valves passes through a reinforced concrete culvert under the eastern end of the main embankment to discharge into the stream below.

The crest of the main embankment, 25 feet wide, carries a roadway as part of a road deviation approximately $2\frac{1}{2}$ miles in length necessitated by the construction of the reservoir.

The reservoir behind the dam has a maximum depth of 77 feet at full supply level, and submerges 1,800 acres extending approximately $8\frac{1}{2}$ miles upstream from the dam.

Construction by a combination of day labour and contract operations was outstandingly successful. Approval for the project was given in February 1958 and by 20th May, 1959, work on the main bank and spillway was sufficiently advanced to permit storage to begin. By 30th June, the only jobs outstanding were minor earthworks, valve house and pump house and the outlet pipe.

With the co-operation of the Talbot Shire Council, plans were prepared for 4 miles of new road at the southern end of the reservoir.

Cairn Curran Reservoir.

Works to provide for hydro-electric development by the State Electricity Commission were started. A contract was let for the penstock, and work needed in the outlet culvert for its installation was begun.

The parapet wall on the main embankment was 60 per cent. finished, using pre-cast concrete elements.

Castlemaine Reservoir.

A new storage with a capacity of 300 million gallons is being built about 5 miles north-east of Castlemaine at an estimated cost of £450,000. This reservoir is being constructed to improve the quality of the water supplied to the town of Castlemaine by eliminating the use of a long length of branch channel, and it will also facilitate the maintenance of the Coliban Main Channel by enabling it to be closed down for longer periods than is now possible with the very limited existing storage at Castlemaine.

The reservoir will be filled from Malmsbury Reservoir through the Coliban Main Channel and a short section of the Fryer's Race Branch Channel, and water will be conveyed to Castlemaine through a new 21-in. diameter steel pipe-line.

The embankment will be 86 feet high and 1,000 feet long, and contain approximately 200,000 cubic yards of earth and rockfill. An outlet tower 80 feet high will enable water to be drawn from various levels for conveyance by pipe-line to Castlemaine.

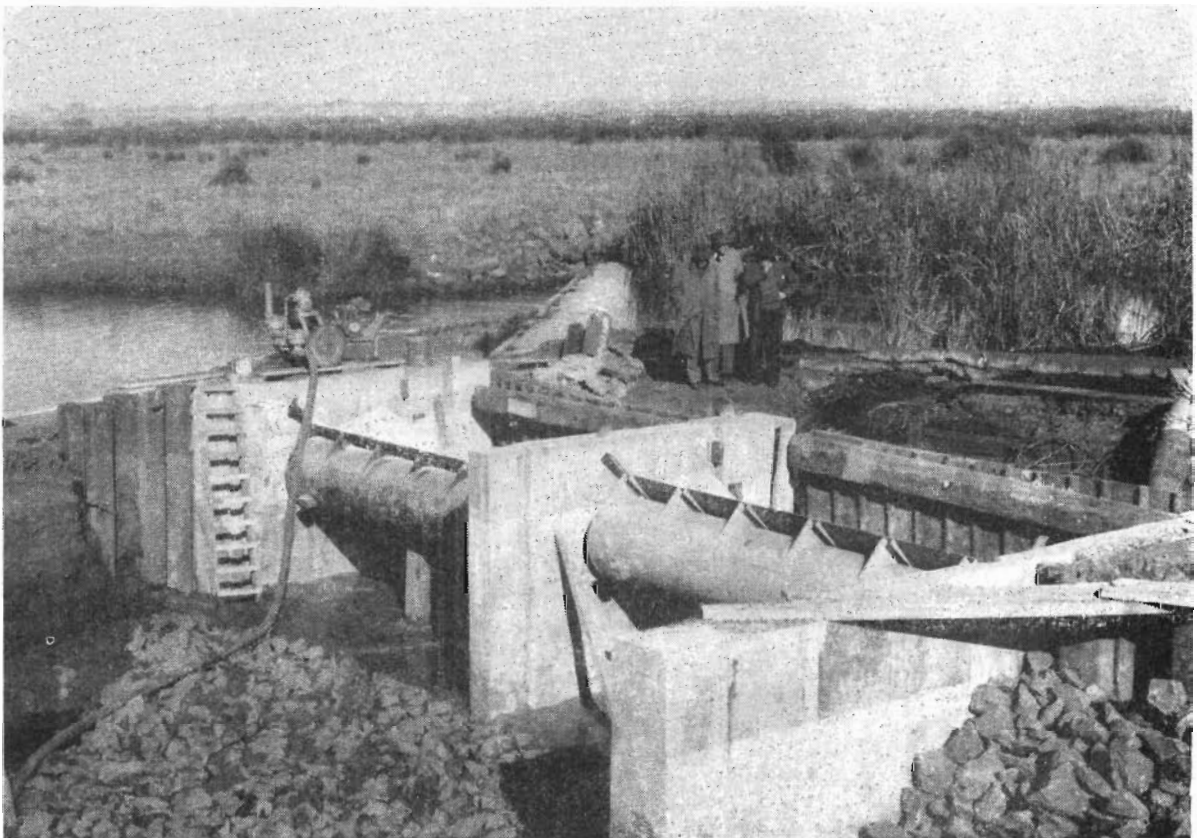
Work began on the construction office, stores buildings, and access roads in April and in the following month, stripping of the foundations and borrow pits, clearing and excavation in the outlet culvert were started.

Lake Corangamite Project.

Minor works on the channel between Cundare and Warrambine Creek were completed, together with an offtake regulator, road and occupation bridges, subways, siphons, and the outfall to Warrambine Creek. The channel was tested in June, 1959, by a small run of water and proved satisfactory.

A subsidiary barrage, including a small regulating structure to pass flows into the main Cundare pool, was constructed immediately below the offtake of the diversion channel at the Black Bridge. Its purpose was to provide a relatively small storage in which inflows from the Woody Yaloak River would reduce to a satisfactory level the salinity of ponded water and permit it to be diverted into the Barwon River.

A novel design for floating gates at the lower breakwater near its mouth provides for the passage of water added to the Barwon without raising flood levels. This has proved very successful in lowering the river level about 18 inches without permitting salt water to come up the river, and drainage of low-lying lands in the vicinity has been improved to a surprising extent.



These floating gates near the mouth of the Barwon River form part of the Lake Corangamite drainage works. They provide for the passage of water added to the Barwon River without raising flood levels.

Carrum Drainage District.

Following the report of the Parliamentary Public Works Committee recommending proposals of the Commission for alleviating flooding and improving drainage in the Carrum-Seaford area (see page 13), detailed surveys, investigations, and designs were put in hand for a new outlet to Port Phillip Bay at Carrum, enlargement of Eel Race Drain, the proposed Seaford Contour Catch Drain, and associated works, including the improvement of Kananook Creek.

2. Investigations For Further Works.

Campaspe River.

Plans, reports, and estimates were prepared for submission in evidence to the Parliamentary Public Works Committee enquiry into the enlargement of Eppalock Reservoir. The scheme for possible use of the water which would become available includes pumping to Bendigo to alleviate dry-period shortages in the Coliban System of waterworks, the energy for pumping being obtained by passing downstream through hydraulic turbines coupled to the pumps the much larger volumes of water required.

The water would be used for irrigation by private diverters pumping from the river, in the Campaspe Irrigation District, and also in the Goulburn Irrigation System via a connecting channel from Campaspe Weir to the Waranga-Western Channel near Rochester. The resulting inter-connection of the resources of the Goulburn and Campaspe would have very important advantages, including a reduction in the capacity required for the enlargement of the Waranga-Western Channel itself. This would result in substantial savings in capital expenditure on this main artery of the Goulburn System.

Toongabbie Domestic and Stock Supply.

A comprehensive scheme was prepared to meet local domestic and stock water requirements, including that of the small Toongabbie township. The proposal is for pumping into a service basin from the Thomson River at the recently completed Cowwarr Weir. From the service basin, supplies would be reticulated through pipes to about 130 farms and to houses in the township, making extensive use of plastic pipes and the ingenious "Dole" regulating valves, which prevent individual water users from taking more than their fair share of water.

Central Highlands Scheme.

In March, 1959, the Commission was approached by the Colonial Sugar Refining Company which asked if it could get up to 1,000 acre feet of water annually for a projected hardboard mill at Bacchus Marsh which it planned to have in operation by the end of 1960.

As this supply could not be given from the existing developed resources—which are fully committed to supply Bacchus Marsh and Werribee Irrigation Districts and the town of Bacchus Marsh—a study was made of possible methods of augmenting the supply.

A satisfactory scheme which was prepared involves pumping across the Dividing Range from two small storages near Creswick, viz., Newlyn Reservoir (supplying Clunes), and Hepburns Lagoon. The latter has been used to maintain a small summer flow in the Tullaroop Creek, but the completion of Tullaroop Reservoir (see above) has opened the way to use some of the water from Hepburns Lagoon for other purposes.

To meet the anticipated requirements of the proposed hardboard industry at Bacchus Marsh and expanding local requirements, it will be necessary to enlarge both Newlyn Reservoir and Hepburns Lagoon. A pumping station of 100 h.p. will be installed at Hepburns Lagoon, which is about 30 feet below Newlyn and water will be pumped from Hepburns Lagoon to Newlyn.

At Newlyn, a pumping station of 1,000 h.p. capacity will lift the water approximately 550 feet along 6.75 miles of 21-in. diameter rising main, terminating on the main ridge of the Great Dividing Range. From there the water will run by gravity into Korweinguboorra Reservoir and be conveyed by channel works controlled by the Geelong Waterworks and Sewerage Trust to a point where it can be released through a short pipe-line near Ballan into the Werribee River and ultimately into Pykes Creek Reservoir through the existing diversion tunnel.

The Colonial Sugar Refining Company will enter into a long-term agreement to meet the full cost of supplying its requirements.

Flood Protection and Drainage, Koo-wee-rup Area.

Investigations were continued for the enlargement of the Koo-wee-rup Main Drain above Cora Lynn, with a view to increasing its capacity, any additional flow being discharged into the recently completed Yallock Outfall.

ENGINEERING RESEARCH, TESTING, AND INSPECTION.

Engineering Research.

Measurements of concrete and earth dam behaviour were continued at Eildon, Cairn Curran, and Glenmaggie Dams. Equipment for similar measurements was installed in Tullaroop Dam, together with instruments for measuring earth pressures and small movements associated with the outlet culvert. The recording of Eildon Reservoir water temperature variation with depth and time continued to be informative, and the data will be useful in future dam designs.

To improve construction techniques, the characteristics of Victorian cements were studied, particularly in regard to the strength of concrete. Investigation of the weathering of rocks was continued by accelerated tests.

Means of reducing losses from channels and of sealing leaking joints and cracks in concrete channels were further studied, and useful progress made. Many new methods were tried, and the continued behaviour of earlier test methods observed.

Studies and field tests on ways to protect metals from corrosion, and the causes of deterioration of asbestos cement pipes in certain localities, were continued. An asbestos cement pipe-line was installed at Bendigo for testing purposes.

Hydrologic Research.

As part of the Commission's basic studies, optimum storage capacity for selected rivers were estimated, based on irrigation demands and deliveries under drought conditions. The use of critical storage curves was studied for application to reservoir operation during critical drought periods, and observed droughts were analysed to determine their probable frequency.

The forecasting of stream flow was extended to additional streams. The Commission maintained twelve pluviographs and the rainfall records obtained were analysed.

Hydraulic Research and Investigation.

A number of special problems were studied by tests on hydraulic models, including models of Waranga Reservoir minor outlet; Tullaroop Dam outlets and spillway; a proposed structure on the Main Canal above Koo-wee-rup discharging to the Yallock Outfall Drain; a new type of silt-arresting structure for protecting reservoir outlets; and many standard irrigation structures. The proposed spillway for the Moondarra Dam to be constructed by the Latrobe Valley Water and Sewerage Board was also investigated.

General testing included calibration of Dethridge and Sparling type water meters, and measurements of head loss in the Eildon Dam tunnel.

Testing and Inspection.

Many hundreds of soil samples were tested from 34 localities, including Tullaroop Dam, proposed dam sites at Devils Bend Creek, Eppalock and Mt. Ewen Reservoirs, and, on behalf of the Latrobe Valley Water and Sewerage Board, Moondarra Reservoir site.

Inspection and testing of engineering materials and fabricated products for the Commission's use, as well as for other authorities, was continued, as well as physical tests on cement, concrete, and tar enamel, and chemical tests on water samples from many places.

PUMPING STATIONS AND PLANT.

The Commission's main pumping stations, situated on or near the River Murray, supply water for the irrigation districts of Red Cliffs, Merbein, Nyah, Robinvale, and Tresco, and the waterworks districts of Millewa and Tyntynder North. Several smaller pumping stations supply water for domestic and stock supplies in the Wimmera-Mallee and Loddon Divisions.

Drainage pumps to relieve flooding in low-lying areas are operated in Red Cliffs, Merbein, Swan Hill, Koondrook, and Macalister Irrigation Districts, and in Carrum Drainage District.

Pumping plant is also operated by the Commission for water supply to some 50 towns, mainly in the northern part of the State.

Appendix K lists the capacities, type, and purpose of the Commission's pumping plant.

The total quantity of water pumped for irrigation and domestic and stock supplies was 154,934 acre feet, including 98,991 acre feet pumped from the River Murray.

New installations completed or under construction were as follows:—

Otway District.

The Gellibrand River pumping station for supplementary water supply was finished. Its installed capacity is now 4·3 million gallons per day against a total head of 950 feet.

Urban Pumps.

New plant to improve town supplies was authorized at Bittern Reservoir, Frankston, Koondrook, Macorna, Murrabit, Minyip, Mornington, Nyah West, Pimpinio, Quambatook, Rupanyup, South Frankston, Watchem, Woomelang, and Wycheproof.

Drainage Pumps.

New drainage pumps were installed in the Red Cliffs, Robinvale, and Merbein Irrigation Districts.

Domestic and Stock Pumps.

The Jung, Dooen, and Kewell East pumping stations serving the Western Wimmera and Wimmera United Waterworks Districts were converted to electric motor drive.

A new 55-cusec pump was installed at the Millewa "B" pumping station.

Irrigation Pumps.

A new 55-cusec pump was ordered for installation at Merbein, also two 8-cusec pumps for Red Cliffs relift stations.

CONSTRUCTION PLANT.

Use of major plant items in 1958-59 was 281,550 hours compared with 182,500 hours in 1957-58, 208,250 hours in 1956-57, and 220,600 hours in 1955-56. Appendix J shows the hours worked by the different types of plant in these years.

Purchases of new plant totalled £230,000 (in 1957-58, £60,000) and spare parts £65,000 (in 1957-58, £40,000). The additional expenditure on plant items was mainly for replacement tractors.

MOTOR TRANSPORT.

The total number of motor vehicles operated by the Commission at 30th June, 1959, was 529, and comprised 31 cars, 210 utility trucks, 93 Land Rovers, 35 light motor cycles, and 160 trucks and other heavy vehicles.

New purchases totalled 140 vehicles, comprising 32 additions and 108 replacements.

Vehicles covered a total distance of 5,315,000 miles (in 1957-58, 4,600,000 miles), including 26,317 miles by low loading transporters used for the transport of heavy earth-moving plant.

HOUSING.

At 30th June, 1959, the total number of Commission houses was 612, including four under construction and eleven on River Murray Commission works, but excluding houses built or acquired for temporary occupation on construction jobs. Eight new residences were built and four were purchased during the year. Approval for the erection of eight more had been granted at 30th June.

MAINTENANCE OF STORAGES.

River Murray Works.

Torrumbarry Weir and Lock.

The trestles were withdrawn on 7th August and replaced on 1st December, the pool continuing at or near full supply level for the rest of the year.

Mildura Weir and Lock.

Drop bars were removed on 28th August and replacement began on 28th December. The pool reached full supply level on 10th January, and this level was maintained to 30th June.

A contractor removed 104,000 cubic yards of sand from the river channel and lock canal upstream of the structure. This had accumulated since the weir was completed in 1927, and was affecting the navigation of the approach to the lock and the removal of the weir trestles.

State Works.

Eildon Reservoir.

Substantial improvements to tracks and to sanitary and other facilities were continued to meet recreation requirements in the area.

Glenmaggie.

Good progress was made on provision of facilities, and the beautification programme. An arboretum is being established by the Maffra and Heyfield Rotary Club on a site made available by the Commission.



A major maintenance job extending over many years has been the stabilization of the 4½-miles embankment of the Waranga Reservoir. This photograph shows the trimming of earthworks completed and trenching in progress for planting out Kikuyu grass.

Goulburn Weir.

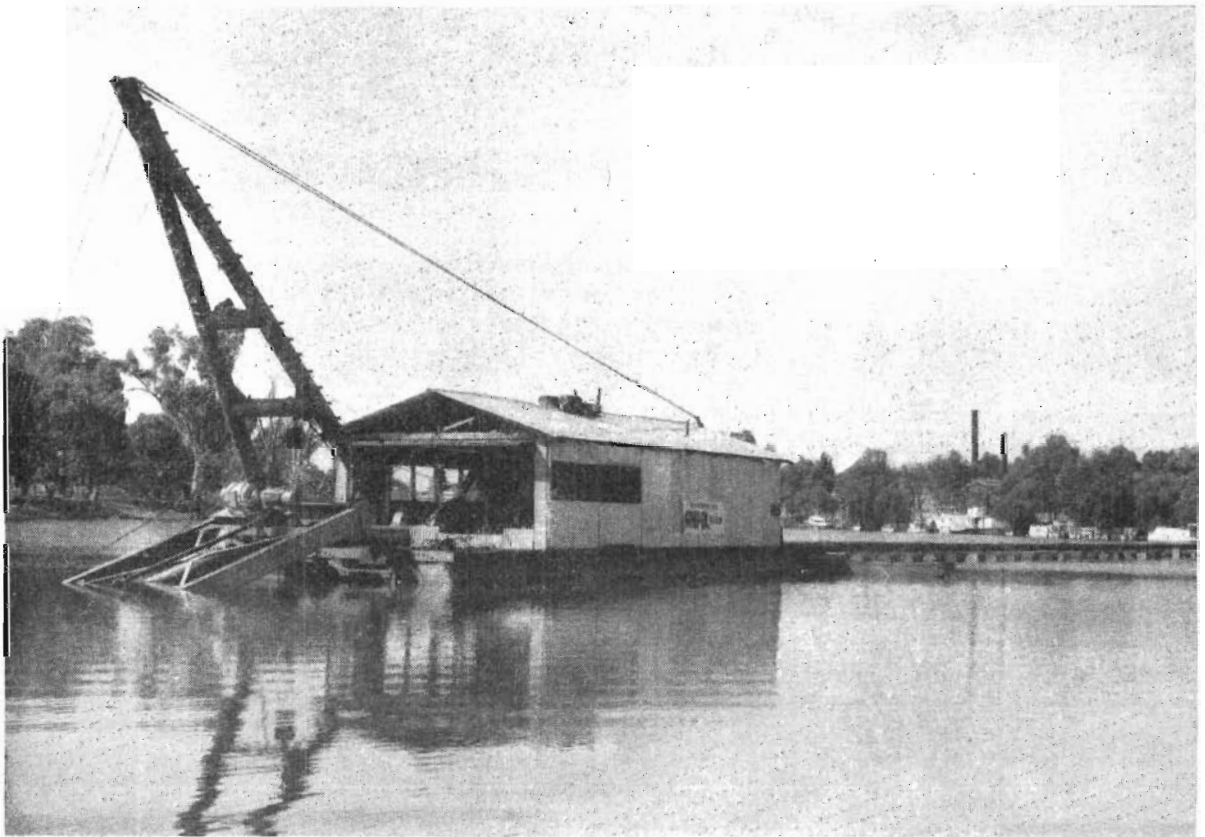
Preliminary work began on providing recreation facilities and a caravan park.

Waranga Reservoir.

The work of reforming and re-grassing the outside slope of the $4\frac{1}{2}$ miles long embankment, which was begun in 1946, was completed.

Malmsbury Reservoir.

A contract was let for the removal of 40,000 super feet of pine logs.



Dredge in action removing sand upstream from Mildura Weir. More than 100,000 cubic yards of sand had accumulated since the weir was built in 1927.

SURVEYS, PLANS, HYDROGRAPHY.

Surveys, Maps, Plans.

Land resumption and easement surveys were completed on 306 properties. A photo-mosaic of Eildon Reservoir and surrounding country was compiled and photographed, and copies were made available for sale to the public.

In the Central Goulburn Irrigation Area, 107 miles of channels were surveyed for remodelling. A further 3,610 acres in the Parish of Congupna, making a total area of 22,080 acres, completed the Dunbulbulane Closer Settlement 3-in. contour survey.

In North and South Shepparton Districts, 44 miles of channels and drains have been surveyed for remodelling, and 57 miles of drains have been located in the Murray Valley District.

The final survey of a further 69 blocks finished the Soldier Settlement Subdivision at Robinvale.

In the Swan Hill District 3,080 acres of 3-in. contour surveys have now been completed and 29 miles of channels were surveyed for remodelling in Boort and Kerang Districts.

During the year, 470 title survey plans, 792 engineering survey plans and sections, and 71 photo-mosaics were compiled. The Plan Room issued 7,500 prints of original plans and 260 photo-maps.

Hydrography.

Discharge measurements totalled 1,242, of which 910 were on natural streams and 332 on channels and drains. Nine new gauging stations began operation and five unsatisfactory stations were discontinued, making the total number of gauging stations 248 at 30th June, 1959. This total comprises 100 daily-read, 38 flood-warning and 110 automatic-recorder stations.

VALUATIONS.

Valuations for Land Compensation.

As in 1957-58, most land-acquisition valuations were in connection with the Goulburn Valley channel enlargement programme, drainage channels in the Murray Valley Irrigation District, the Central Gippsland Irrigation District, the Mornington Peninsula, Tullaroop Reservoir, and Lake Corangamite.

Agreement was reached in 207 cases for a total sum of £163,836 in answer to claims aggregating £286,077.

A noteworthy development was the extension of the system whereby officers of the Designs Branch and the Valuations Branch interview landowners whose properties will be affected by the construction of channels, drains or pipe-lines, as far in advance of construction as possible. This has undoubtedly been of great advantage to both the landowners and the Commission. Channel-crossing positions and final routes are fixed at these inspections.

Land Classification.

The classification for irrigation purposes of all land in the Irrigation Districts of the Torrumbarry System, which began late in 1957-58, was completed in the autumn of 1959.

Rating Valuations.

In February, 1959, the County Court heard an appeal against the unimproved capital value of a property in the Rodney Irrigation District. The Court decision in regard to the allowances to be made for the cost of clearing timber was far-reaching and led to an agreement with appellants resulting in the Water (Irrigation Districts) Act No. 6509 referred to on page 13. This Act reduced by 40 per cent. the unimproved capital value of every property in an irrigation district valued since the 1st July, 1954, such reduction to continue in force until a further valuation of each relevant Irrigation District.

Thirty appeals to the Court of Petty Sessions arising out of a revaluation of the Sea Lake Waterworks District were the subject of negotiated settlement in which the principles of the County Court judgment in regard to the allowance for the cost of clearing timber were applied. The agreement reached requires revaluations of the Sea Lake, Hindmarsh and Wycheproof Districts for use for rating purposes in 1959-60.

Supplementary valuations totalled 777, including 351 in Irrigation Districts, 365 in Waterworks Districts and 61 in Drainage and Flood Protection Districts.

TECHNICAL LIBRARY.

New accessions numbered 710, making 9,128 books held in the Library at 30th June, 1959. Periodicals received and circulated totalled 338. Arrangements were made with the Chief Librarian of the Public Library of Victoria for the latter to provide qualified staff for the Commission's Library.

STAFF.

Numbers.

Staff increased by sixteen over the year, but there was a considerable turnover, including a substantially higher number of resignations than in 1957-58. The summary figures are given below.

	1958-59.			1957-58.		
	Professional.	Other.	Total.	Professional.	Other.	Total.
New appointments	33	133	166	56	88	144
Losses by—						
Retirement	4	30	34	3	23	26
Resignations	34	59	93	28	51	79
Transfers (net)	4	7	11	3	18	21
Other	1	11	12	3	12	15
Total losses	43	107	150	37	104	141
Net loss	10	..	..	..	16	..
Net gain .. .. .	..	26	16	19	..	3

Details of staff numbers are tabulated in Appendix L.

Compared with 1957-58, there was a gain of four permanent and twelve temporary employees, but a disturbing feature was that the acute shortage of engineers is continuing. There was a net loss of twelve engineers in 1958-59, although there was a gain of five draughtsmen.

Staff Training.

Eighty District Accounting and Stores Officers attended a week's residential course embracing various aspects of administration. Seven officers passed a Survey Assistants' Training Course, and visits to country centres by junior officers to acquaint them with the Commission's functions and operations were also continued. A pupil surveyor trained by the Commission's staff qualified as a Licensed Surveyor, and a cadet valuer completed the first year's examination of the Commonwealth Institute of Valuers.

Thirty-five officers undertook courses conducted by the Public Service Board. Twenty-five went to induction courses, five attended supervision courses, and another five completed the Board's training course for Class "C" officers.

Retirements.

The Commission wishes to express its appreciation of the loyal and valuable services rendered by the following officers and employees who retired during the year on attaining the statutory retiring age or on account of ill-health:—

Mr. N. F. Godkin, Senior Divisional Engineer ; Mr. F. Rogerson, Divisional Engineer ; Mr. G. F. Pedlow, Staff and Industrial Officer ; Mr. C. P. Hay, Assistant Chief Accountant ; Mr. J. R. Moore, Assistant Secretary ; Mr. L. R. Forrester, Officer in Charge, Stores Branch ; Mr. H. K. Wadsworth, Senior Draughtsman ; Mr. W. D. Cannell, Hydrographer ; Messrs. T. W. Britain, S. G. Smale, and W. H. Westendorf, Senior Assistants ; Mr. B. G. Matheson, Assistant ; Mr. F. H. McGinnis, Plant Supervisor ; Mr. G. W. Kelsey, Storeman ; Mr. G. Willis, Turncock ; Messrs. B. Davis and H. J. Grylls, Reservoir Keepers ; Messrs. N. J. O'Sullivan, L. C. Brooks, and W. Kearney, Inspectors ; Messrs. C. Campbell, H. C. Kidd, L. J. L. Norton, Head Water Bailiffs ; Mr. A. H. Wells, Senior Water Bailiff ; Messrs. R. E. Dick, W. C. Meldrum, G. R. E. Whiteside, O. Watt, C. D. Marr, and F. W. C. Lea, Water Bailiffs ; Messrs. E. A. Larmour, E. McAnulty, and T. P. Donohue, Rangers ; Miss G. H. Murray, Typiste.

Deaths.

The Commission records with regret the deaths during the year of Mr. E. W. A. Clarke, Clerk ; Mr. L. C. Carson, Works Inspector ; Mr. R. H. Carter, Water Bailiff ; Mr. V. P. G. Way, Electrical Supervisor ; Mr. W. L. Murdoch, Senior Ranger ; Mr. L. Georgiadis, Draughtsman.

Organization.

An organization chart of the Commission as at 30th June, 1959, is appended to this report.

Divisional and Branch Heads.

Chief Designing Engineer	..	..	..	..	R. A. Horsfall, M.B.E., M.C.E., B.Mech.E., M.I.C.E., M.I.E.Aust.
Chief Constructional Engineer	..	..	..	..	C. L. Sanders, L.S., A.M.I.C.E., M.ASCE., M.I.E.Aust.
Chief Divisional Engineer	..	..	..	..	H. E. Harding, B.Sc.(Cal.), M.I.E.Aust.
Chief Engineer, Town Water Supplies and Local Authorities					R. H. Richmond, B.C.E., M.I.E.Aust.
Chief Mechanical Engineer	..	..	..	..	T. S. Moffatt, B.E.E., Dip.Mech.E., A.M.I.E.Aust.
Chief Irrigation Officer	..	..	..	..	W. P. Dunk, M.Agr.Sc., M.A.I.A.S.
Chief Surveyor	..	..	..	..	R. G. Mason, L.S., M.I.S. (Aust.)
Chief Estates Officer	..	..	..	..	J. F. Horwood
Chief Valuer	..	..	..	..	E. R. Inglis, L.S., A.C.I.V.
Divisional Engineers—					
Goulburn	..	..	..	..	J. W. Moore, A.M.I.E.Aust.
Loddon	..	..	..	..	K. D. Green, O.B.E., B.C.E., A.M.I.C.E., M.I.E.Aust., A.M.ASCE.
Southern	..	..	..	..	S. W. Rogerson, A.M.I.E.Aust.
Main Urban Supplies	..	..	..	..	E. McD. Walker, B.C.E., A.M.I.E.Aust.
Rivers and Streams	..	..	..	..	H. G. Strom, B.C.E., M.I.E.Aust.
Waterworks Trusts and Sewerage Authorities				..	J. D. Lang, B.C.E., A.M.I.E.Aust.
Wimmera-Mallee Waterworks	..	..		..	D. Clark, Dip.Elec.E., Dip.Mech.E., A.M.I.E.Aust.
Mallee Irrigation	..	..	..	..	W. E. Bromfield, B.C.E.
Chief Finance Officer	..	..	..	..	L. A. King, A.A.S.A.
Staff and Industrial Officer	..	..	..	..	A. H. Rigg
Chief Accountant	..	..	..	..	W. J. Dynon, A.A.S.A.
Officer in Charge, Stores Branch	..	..	..	..	R. A. Myers
Superintendent of Water Distribution	..	..	..	..	S. H. Mitchell

PART 3.—RATING AND FINANCE.

VALUATIONS, RATES, IRRIGATION CHARGES, AND FLOOD PROTECTION CHARGES.

The Statements which follow set forth the districts supplied by the Commission with water for domestic and ordinary use, for watering cattle or other stock and for irrigation, together with the unimproved capital value and/or the annual value of the lands and tenements, the number of assessments, and the general rates, compulsory irrigation charges, flood protection rates and charges, and drainage rates made in all districts.

In the districts where water for irrigation is obtained by gravitation from the various reservoirs throughout the State the compulsory irrigation charges were unchanged from those operating for the previous year, and no alteration was made in the unit charges in the four districts which are supplied with water by pumping either from the River Murray or from storages.

The general rates made and levied in Irrigation and Water Supply Districts were reduced in eight districts and in 22 districts were unchanged from those of the previous year.

In the Waterworks Districts the general rate and also the minimum rate, was increased in two districts, and in three districts the general rate was decreased.

In 17 Urban Districts following development in the districts, the general rate was reduced, while in 10 Urban Districts the general rate was increased. Minimum rates were increased in 31 Urban Districts and decreased in one such District.

Rates and charges in the four Flood Protection Districts were unchanged from those levied for the previous year.

No alteration was made in the drainage rates in Irrigation Districts where drainage facilities have been provided, nor in the Carrum Drainage District.

In Eildon Sewerage District, in respect of which Commission exercises the functions of a Sewerage Authority, the sewerage rate was reduced.

VALUATIONS, RATES, IRRIGATION CHARGES, AND FLOOD PROTECTION CHARGES.

Districts Supplied with Water for Domestic and Ordinary Use and for Watering Cattle or Other Stock.	Area of District in Acres.	Area Classified as Irrigable in Acres.	Water Rights Apportioned (including Extra Rights) in Acre Feet.	Unimproved Capital Value.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1959, on Unimproved Capital Value.		Compulsory Irrigation Charge per Acre foot of Water Right, Season 1958-59.	Number of Assessments.	Estimated Number of Persons Dwelling in District.			
						General Rate.					Drainage Rate.		
IRRIGATION AND WATER SUPPLY DISTRICTS.													
Supplied from Goulburn System.				Valuation by Commission.	£	Divisions.							
						1st.	2nd.	3rd.	1st.			2nd.	3rd.	4th.
					£	s.	d.	s.	d.	s.	d.	s.	d.
1. BOORT	80,180	47,414	16,858	498,342	29,725	0	2	0	1	..	..	15	0
2. CALVIL	61,152	32,532	7,572	716,772	74,670	0	1	0	0½	0	0½	15	0
3. DEAKIN	160,955	21,084	7,660	1,680,720	126,017	0	0 8	0	0 4	0	0 1	15	0
4. DINGEE	8,885	4,454	4,522	168,795	15,760	0	1	..	..	0	1½	15	0
5. KATANDRA	13,965	12,608	9,957	397,574	33,258	0	0 8	0	0 4	0	1	15	0
6. NORTH SHEPPARTON	124,342	61,414	15,601	2,106,453	132,434	0	0 8	0	0 4	0	0 1	15	0
7. ROCHESTER	181,768	57,041	58,395	4,065,997	322,670	0	0 8	0	0 4	0	0 1	15	0
8. RODNEY	273,586	190,140	70,966	10,584,899	861,647	0	0 8	0	0 4	0	0 1	15	0
9. SHEPPARTON	24,106	23,382	22,263	1,734,751	153,371	0	0 8	0	0 4	0	0 1	15	0
10. SOUTH SHEPPARTON	33,773	21,570	8,686	538,847	36,824	0	0 8	..	..	..	..	15	0
11. TONGALA-SPANHOPE	76,113	47,564	49,013	3,083,108	365,792	0	0 8	0	0 4	0	1½	15	0
12. TRAGOWEL PLAINS	218,128	148,838	31,730	2,087,905	140,304	0	2	0	1	0	1½	15	0
Totals	1,256,953	668,041	303,223	27,664,163	2,292,472	..	..	..	..	..	..	8,504	
Supplied from Yarracongga Weir.													
13. MURRAY VALLEY	267,812	206,874	96,482	2,143,144	169,136	0	1	..	..	..	..	15	0
Supplied from Torrumbarry System.													
14. COHUNA	85,409	44,792	49,407	1,023,982	78,843	0	1	0	0½	0	1	15	0
15. FISH POINT	6,327	3,756	1,845	58,502	3,793	0	2	..	..	..	..	15	0
16. KERANG	88,605	55,761	21,515	450,469	32,727	0	1	0	0½	0	1	15	0
17. KOONDOOK	88,193	24,572	24,622	689,137	53,858	0	1	0	0½	0	1	15	0
18. MYSTIC PARK	19,266	8,039	2,754	46,966	4,663	0	2	..	..	..	..	15	0
19. SWAN HILL	37,202	22,244	25,789	1,189,164	148,491	0	2	0	1	0	3	15	0
20. THIRD LAKE	11,483	3,771	2,513	95,418	8,499	0	2	0	1	..	..	15	0
Totals	336,485	162,935	128,445	3,553,638	330,874	..	..	..	..	..	..	2,750	
6,078													

VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES - *continued.*

Districts supplied with Water for Domestic and Ordinary use and for Watering Cattle or other Stock.	Unimproved Capital Value.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1959, on Unimproved Capital Value.			Minimum Amount of Rate per 640 Acres on Lands in the First Division.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
WATERWORKS DISTRICTS.								
	Valuation by Commission.	Valuation by Commission.	Divisions.					
			1st.	2nd.	3rd.			
<i>Supplied from Wimmera-Mallee System.</i>	£	£	s. d.	s. d.	s. d.	£ s. d.		
31. BIRCHIP	695,796	44,256	0 3	0 1½	0 0¾	24 0 0	501	850
32. HINDMARSH	385,874	27,788	0 1·1	..	0 0·275	24 0 0	61	263
33. KARKAROOC	2,704,541	168,439	0 3	0 1½	0 0¾	24 0 0	1,107	4,500
34. LONG LAKE	645,914	77,465	0 3	0 1½	0 0¾	24 0 0	838	2,250
35. OUYEN	335,690	45,278	0 3	0 1½	0 0¾	24 0 0	896	2,000
36. SEA LAKE	2,144,601	159,054	0 2	0 1	0 0½	24 0 0	541	1,775
37. TYNTYNDER	307,452	40,086	0 3	0 1½	0 0¾	24 0 0	838	2,130
38. TYRRELL	253,206	42,852	0 3	0 1½	0 0¾	24 0 0	891	2,200
39. TYRRELL WEST	156,342	24,527	0 3	0 1½	0 0¾	24 0 0	522	1,000
40. UPPER WESTERN WIMMERA	1,463,612	86,446	0 2	0 1	0 0½	24 0 0	533	1,736
41. UPPER WIMMERA UNITED	3,713,216	223,861	0 1·3	..	0 0·325	24 0 0	775	2,400
42. WESTERN WIMMERA	8,493,526	522,051	0 1·2	0 0·6	0 0·3	..	2,406	8,704
43. WIMMERA UNITED	12,442,869	774,144	0 0·6	0 0·3	0 0·15	..	2,337	7,300
44. WYCHIEPROOF	2,866,810	189,409	0 2	0 1	0 0½	24 0 0	783	500
45. WYCHITELLA	855,494	55,424	0 2½	0 1¼	0 0¾	24 0 0	508	2,475
Totals	37,464,943	2,481,120	..	..	..	..	13,537	40,083
<i>Supplied direct from River Murray.</i>								
46. MILLEWA	130,000	31,173	0 3	0 1½	0 0¾	24 0 0	397	829
47. TYNTYNDER NORTH	113,195	16,557	0 3	0 1½	0 0¾	24 0 0	210	400
Totals	243,195	47,730	..	..	..	..	607	1,229
<i>Supplied by Bores.</i>								
48. WALPEUP WEST	355,359	20,778	0 1	0 0½	..	10 13 4 1st Div., and 5 6 8 2nd Div.	444	600
<i>Supplied from Coliban System.</i>								
49. AXE CREEK	29,295	5,935	1 6*	..	..	..	69	160
50. HARCOURT	134,927	37,294	0 3	..	..	..	233	615
Totals	164,222	43,229	..	..	..	..	302	775
<i>Miscellaneous.</i>								
51. EAST LODDON	307,023	19,702	0 2	0 1	0 0½	..	293	153
52. KERANG NORTH-WEST LAKES	157,714	18,265	0 1	..	..	..	137	221
53. LODDON	814,024	49,636	0 1	0 0½	0 0½	..	307	248
54. NORMANVILLE	833,504	48,885	0 3	0 1½	0 0¾	24 0 0	389	413
55. WERRIBEE	122,345	9,668	0 2·2	..	..	..	59	150
56. WEST LODDON	694,681	40,141	0 1·4	0 0·7	0 0·35	..	368	329
Totals	2,929,291	186,297	..	..	..	..	1,553	1,514
Totals (Waterworks)	41,157,010	2,779,154	..	..	..	..	16,443	44,201

* On Net Annual Value.

VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES—continued.

Districts Supplied with Water for Domestic and Ordinary Use from Pipe Reticulations.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1959.	Minimum Amount of Rate for Lands on which there is a Building.	Minimum Amount of Rate for Lands on which there is no Building.	Water Charge per 1,000 Gallons.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
URBAN DISTRICTS.							
	Municipal Valuation.				Rate Allowance.	Excess.	
	£	s. d.	s. d.	s. d.	s. d.	s. d.	
<i>Supplied from Bellarine Peninsula System.</i>							
57. ANGLESEA	24,023	3 0	80 0	40 0	2 0	1 8	631
58. BARWON HEADS AND OCEAN GROVE ..	63,564	2 8	80 0	40 0	2 0	1 8	1,346
59. BIRREGURRA	6,206	3 6	80 0	40 0	2 0	1 8	164
60. DRYSDALE	8,150	3 6	80 0	40 0	2 0	1 8	196
61. PORTARLINGTON	15,900	3 6	80 0	40 0	2 0	1 8	441
62. QUEENSLIFF AND POINT LONSDALE ..	78,022	2 6	80 0	40 0	2 0	1 8	1,201
63. TORQUAY	54,819	1 9	80 0	40 0	2 0	1 8	964
Totals	250,684	..	..	..	..	..	4,943
<i>Supplied from Mornington Peninsula System.</i>							
64. BERWICK	25,426	3 0	80 0	40 0	2 0	1 8	431
65. BITTERN-CRIB POINT	14,952	3 0	80 0	40 0	2 0	1 8	459
66. BUNYIP	10,313	2 6	80 0	40 0	2 0	1 8	201
67. CHELSEA-FRANKSTON	1,123,585	1 3	80 0	40 0	2 0	1 8	12,181
68. CRANBOURNE	18,341	1 8	80 0	40 0	2 0	1 8	264
69. DANDENONG-SPRINGVALE	385,716	0 10	80 0	40 0	2 0	1 8	1,976
70. DROMANA-PORTSEA	572,885	1 2	80 0	40 0	2 0	1 8	6,173
71. GARFIELD	7,718	1 6	80 0	40 0	2 0	1 8	126
72. HASTINGS	18,903	3 6	80 0	40 0	2 0	1 8	339
73. LONGWARRY	11,320	1 2	80 0	40 0	2 0	1 8	172
74. MORNINGTON	314,132	1 4	80 0	40 0	2 0	1 8	2,329
75. PAKENHAM	29,641	1 2	80 0	40 0	2 0	1 8	376
76. SOMERVILLE	10,585	2 2	80 0	40 0	2 0	1 8	141
77. SOUTH FRANKSTON	169,050	1 4	80 0	40 0	2 0	1 8	1,281
Totals	2,712,567	..	..	..	..	..	26,449
<i>Supplied from Otway System.</i>							
78. ALLANSFORD	6,776	3 6	80 0	40 0	2 0	1 8	123
79. CAMPERDOWN	96,493	1 9	80 0	40 0	2 0	1 8	1,191
80. COBDEN	27,143	2 2	80 0	40 0	2 0	1 8	469
81. TERANG	84,375	1 9	80 0	40 0	2 0	1 8	861
Totals	214,787	..	..	..	..	..	2,644
<i>Supplied from Wimmera-Mallee System.</i>							
82. ANTWERP	326	3 6	80 0	20 0	2 0	1 8	21
83. BERRIWILLOCK	2,934	3 6	80 0	20 0	2 0	1 8	94
84. BEULAH	8,241	3 6	80 0	20 0	2 0	1 8	183
85. BIRCHIP	19,891	3 6	80 0	20 0	2 0	1 8	400
86. BRIM	1,923	3 6	80 0	20 0	2 0	1 8	90
87. CHILLINGOLLAH	420	3 6	80 0	20 0	2 0	1 8	31
88. CHINKAPOOK	643	3 6	80 0	20 0	2 0	1 8	49
89. CULGOA	3,028	3 6	80 0	20 0	2 0	1 8	79
90. DIMBOOLA	38,456	1 2	80 0	20 0	2 0	1 8	725
91. DOON	423	3 6	80 0	20 0	2 0	1 8	6
92. HOPETOUN	19,108	2 6	80 0	20 0	2 0	1 8	307
93. JEPARIT	16,476	2 0	80 0	20 0	2 0	1 8	299
94. JUNG JUNG	1,389	3 6	80 0	20 0	2 0	1 8	44
Carried forward	113,258	..	..	..	..	..	2,328
							6,299

VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES—continued.

Districts Supplied with Water for Domestic and Ordinary Use from Pipe Reticulations.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1959.	Minimum Amount of Rate for Lands on which there is a Building.	Minimum Amount of Rate for Lands on which there is no Building.	Water Charge per 1,000 Gallons.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
URBAN DISTRICTS—continued.							
	Municipal Valuation.				Rate Allowance.	Excess.	
	£	s. d.	s. d.	s. d.	s. d.	s. d.	
Brought forward	113,258						2,328 6,299
95. LALBERT	1,493	3 6	80 0	20 0	2 0	1 8	48 132
96. LASCELLES	1,779	3 6	80 0	20 0	2 0	1 8	63 114
97. MANANGATANG	4,763	3 6	120 0	20 0	2 0	1 8	128 368
98. MARNOO	2,580	3 6	80 0	20 0	2 0	1 8	50 250
99. MINYIP	18,562	2 3	80 0	20 0	2 0	1 8	326 800
100. NANDALY	686	3 6	80 0	20 0	2 0	1 8	45 110
101. NATIMUK	5,826	2 2	80 0	20 0	2 0	1 8	182 581
102. NULLAWIL	1,169	3 6	80 0	20 0	2 0	1 8	58 100
103. OUYEN	20,912	3 6	80 0	20 0	2 0	1 8	573 1,500
104. PATCHEWOLLOCK	2,060	3 6	80 0	20 0	2 0	1 8	73 155
105. PIMPINIO	552	3 6	125 0	20 0	2 0	1 8	28 66
106. QUAMBATOOK	5,648	3 6	80 0	20 0	2 0	1 8	189 490
107. RAINBOW	17,105	1 0	80 0	20 0	2 0	1 8	326 929
108. RUPANYUP	12,509	3 0	80 0	20 0	2 0	1 8	219 750
109. SEA LAKE	16,727	2 6	80 0	20 0	2 0	1 8	367 870
110. SPEED	1,188	3 6	80 0	20 0	2 0	1 8	19 81
111. TEMPY	590	3 6	80 0	20 0	2 0	1 8	29 77
112. ULTIMA	2,922	3 6	120 0	20 0	2 0	1 8	147 288
113. WAITCHIE	127	3 6	80 0	20 0	2 0	1 8	32 21
114. WALPEUP	1,416	3 6	130 0	20 0	2 0	1 8	92 120
115. WATCHEM	2,754	3 6	80 0	20 0	2 0	1 8	141 215
116. WOOME LANG	7,213	2 6	80 0	20 0	2 0	1 8	201 340
117. WOORINEN	2,576	3 6	80 0	20 0	2 0	1 8	82 221
118. WYCHERPROOF	18,011	3 0	80 0	20 0	2 0	1 8	378 910
119. YAAPEET	653	3 6	80 0	20 0	2 0	1 8	27 56
Totals	263,079						6,151 15,843
<i>Supplied from Torumbarry System.</i>							
120. COHUNA	46,927	1 6	80 0	20 0	2 0	1 8	640 2,000
121. KOONDROOK	8,334	3 6	80 0	20 0	2 0	1 8	268 626
122. LEITCHVILLE	8,936	3 6	80 0	20 0	2 0	1 8	133 450
123. MURRABIT	929	3 6	80 0	20 0	2 0	1 8	36 70
Totals	65,126						1,077 3,146
<i>Supplied direct from River Murray.</i>							
124. CARWARP	201	3 6	80 0	20 0	2 0	1 8	20 51
125. LAKE BOGA	5,042	3 6	80 0	20 0	2 0	1 8	199 459
126. MERBEIN	38,287	2 3	80 0	20 0	2 0	1 8	544 1,750
127. MERINGUR	268	3 6	100 0	20 0	2 0	1 8	32 55
128. NYAH	2,481	3 6	80 0	20 0	2 0	1 8	84 299
129. NYAH WEST	8,801	2 0	80 0	20 0	2 0	1 8	200 508
130. PIANGIL	1,689	3 6	80 0	20 0	2 0	1 8	89 319
131. RED CLIFFS	56,321	2 6	80 0	20 0	2 0	1 8	767 2,625
132. ROBINVALE	15,815	2 3	80 0	20 0	2 0	1 8	344 110
133. WERRIMUL	2,010	3 6	100 0	20 0	2 0	1 8	64 933
Totals	130,915						2,343 7,109
<i>Miscellaneous.</i>							
134. COROP	163	3 6	80 0	20 0	2 0	1 8	16 43
135. DINGEE	808	3 6	80 0	20 0	2 0	1 8	34 34
136. EILDON	40,322	3 0	80 0	20 0	2 0	1 8	430 1,500
137. ELPHINSTONE	1,641	3 6	80 0	20 0	2 0	1 8	42 90
138. HEYFIELD	27,581	3 6	80 0	20 0	2 0	1 8	412 2,529
139. LOCKINGTON	9,082	1 9	80 0	20 0	2 0	1 8	150 385
140. MACORNA	749	3 6	135 0	20 0	2 0	1 8	40 39
141. MARONG	2,631	3 6	80 0	20 0	2 0	1 8	54 200
142. MITIAMO	1,912	3 6	130 0	20 0	2 0	1 8	64 166
143. NEWSTREAD	7,407	3 6	80 0	20 0	2 0	1 8	174 415
Carried forward	92,296						1,416 5,401

VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES—continued.

Districts Supplied with Water for Domestic and Ordinary Use from Pipe Reticulations.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1959.	Minimum Amount of Rate for Lands on which there is a Building.	Minimum Amount of Rate for Lands on which there is no Building.	Water Charge per 1,000 Gallons.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
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URBAN DISTRICTS—continued.

Miscellaneous—continued.	Municipal Valuation.				Rate Allowance.		Excess.		
		£	s. d.	s. d.	s. d.	s. d.			
Brought forward	92,296							1,416	5,401
144. PYRAMID HILL	9,500	2	0	80	0	2	0	227	622
145. STANHOPE	12,920	2	4	80	0	2	0	160	600
146. TALLYGAROPNA	1,727	3	6	100	0	2	0	40	102
147. WONTHAGGI	95,973	1	9	50	0	1	6	2,027	5,300
Totals	212,416							3,870	12,025

COLIBAN SYSTEM.

	Municipal Valuation.				Rate Allowance.		Excess.		
		£	s. d.	s. d.	s. d.	s. d.			
148. COLIBAN	1,425,878	1	6	40	0	2	0	18,485	57,309
Includes Bendigo, Castlemaine, Eaglehawk, Maldon, Barker's Creek, Campbell's Creek, Chewton, Epsom, Ascot, Fryerstown, Guildford, Harcourt, Huntly, Kangaroo Flat, Myer's Flat, Raywood, Sebastian, Spring Gully, Taradale, and Yapeen. See under Waterworks Districts for Axe Creek and Harcourt rural supplies and under Urban Districts for Elphinstone and Marong.									
Totals (Urban)	5,275,452							65,962	191,549

District.	Unimproved Capital Value.	Rate in the £1 made during Year ended 30th June, 1959, on Unimproved Capital Value.		Number of Assessments.	Estimated Number of Persons Dwelling in District.
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DRAINAGE DISTRICT.

						Divisions.						
						1st.	2nd.	3rd.	4th.			
						s. d.	s. d.	s. d.	s. d.			
149. CARRUM	1,720,698	0 4	0 3	0 2	0 1	6,080	7,000
(with a minimum amount of rate of 2/6 per tenement)												

District.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1959, on Net Annual Value.		Number of Assessments.	Estimated Number of Persons Dwelling in District.
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FLOOD PROTECTION DISTRICTS.

				Valuation by Commission. N.A.V.	Divisions.						
					1st.	2nd.	3rd.	4th.			
					£	s. d.	s. d.	s. d.			s. d.
150. LOWER KOO-WEE-RUP	..	..	222,586	3 4	2 6	1 8	0 10	1,200	3,200	
151. CARDINIA	..	..	88,993	3 4	2 6	1 8	0 10	330	830	
				311,579							
				Area in Acres.	Charge per Acre made during Year ended 30th June, 1959.						
152. KANYAPELLA	..	..	12,633	0 3	..	0 1½	..	51	30	
153. LOCH GARRY	..	..	41,687	0 2	..	..	..	115	207	
Totals (Flood Protection)				Area N.A.V.	54,320	..	..	..	1,696	4,267
					311,579						

VALUATIONS, RATES, AND FLOOD PROTECTION CHARGES—*continued.*

District.	Annual Value of Lands and Tenements.	Rate in the £1 made during Year ended 30th June, 1959.	Number of Assessments.	Estimated Number of Persons Dwelling in District.
SEWERAGE DISTRICT.				
	Municipal Valuation.			
	£	s. d.		
154. EILDON	78,321	1 8	428	1,500

MISCELLANEOUS WATER CHARGES.

For Irrigation Supplies from the Commission's channels to lands outside constituted Irrigation and Water Supply Districts, the charge for water is 50 per cent. above the compulsory charge ruling in the nearest Irrigation and Water Supply District, excepting supplies to such lands as are within constituted Waterworks Districts and subject to the general Domestic and Stock Rate, for which the charge is the equivalent of the irrigation charge ruling in the nearest Irrigation and Water Supply District.

For Irrigation Supplies to lands in the Western Wimmera and Wimmera United Waterworks Districts the charge for water is 15s. per acre-foot with minimum annual payments for each and every holding. The Minimum annual charge is 15s. an acre in respect of the total area authorized to be irrigated under permit or £3, whichever is the greater.

For Domestic and Stock Supplies from the Commission's pipe lines to properties within the Bellarine Peninsula, Mornington Peninsula, and Otway Waterworks Districts but outside proclaimed Urban Districts, the charges are in accordance with the Commission's by-Law No. 5298 or by special agreement, and are as follows:—

Minimum Annual Charges.

Land on which there is a House.	Vacant Land.	Minimum Annual Charge.
		£
Area not exceeding 1 acre	Area not exceeding 20 acres	5
Area greater than 1 acre and not exceeding 20 acres	Area greater than 20 acres and not exceeding 40 acres	8
Area greater than 20 acres and not exceeding 40 acres	Area greater than 40 acres and not exceeding 60 acres	11
Area greater than 40 acres and not exceeding 60 acres	Area greater than 60 acres and not exceeding 80 acres	14
Area greater than 60 acres and not exceeding 80 acres	Area greater than 80 acres and not exceeding 100 acres	17
Area greater than 80 acres	Area greater than 100 acres	20

FINANCE

(L. A. King, A.A.S.A., Chief Finance Officer.)

REVENUE.

The total revenue assessment for the year for rates and charges, sales of water, interest on arrears, &c., was £2,624,467. This represents a decrease of £198,218 over the previous year and was due to lesser sales of water because of seasonal conditions and to reductions in valuations used for rating purposes in Irrigation Districts. The actual sum collected during the year was £2,669,745.

An amount of £86,094 was written off the books of the Commission for the financial year 1958-59 as compared with £24,339 for the previous year. The total amount written off for the twenty-three years ended 30th June, 1959, under the various headings as shown hereunder, was £946,907.

	£
<i>Farmers' Debts Adjustment Act</i> 1935 (No. 4326)	87,102
Adjustment of arrears of rates and charges and irrecoverable amounts—Act No. 4513	236,215
Remission of Interest accrued on arrears to 30th June, 1940—Act No. 4740 ..	81,517
Reduction in rating classifications (Waterworks Districts) and of water right—Act No. 5017	8,651
Unoccupied or vacated Crown lands	342,302
Reduction in rating classifications other than applicable to Act No. 5017	20,558
Concessions granted to water-users	78,137
<i>North-West Mallee Settlement Areas Act</i> 1948 (No. 5321)	21,788
Miscellaneous, including remission of interest accrued on Consolidated Arrears (Act No. 4740) subsequent to 30th June, 1940	70,637
	946,907

Subject to the provisions of the Water Act No. 4740, arrears of rates and charges totalling £437,635, as at 30th June, 1940, were consolidated, and are payable by instalments over periods up to twenty years from and inclusive of 1st January, 1941. The balance of instalments remaining as at 30th June, 1959, was £1,841. These consolidated arrears are not subject to interest conditionally upon the instalment being paid on the due date each year; however, interest accrued to 30th June, 1959, through default in payment of instalments, amounted to £693.

The arrears of rates and charges decreased from £628,147 as at 1st July, 1958, to £519,008 as at 30th June, 1959—this figure includes the balance, £1,841 plus accrued interest, of arrears consolidated under Act No. 4740, mentioned in the preceding paragraph.

This decrease is due primarily to the reduced sales—£537,979, a reduction from the record established the previous year—when sales amounted to £744,235.

The greater portion of this assessment for sales occurs late in the financial year and it is not possible to collect these amounts before the year closes. As a result, collections for this item showed a marked increase and reached the record figure of £663,567.

The arrears of rates and charges at 30th June, 1959 (£207,049), excluding water sales and consolidated arrears represents 9.9 per cent. of the current assessment for these items (£2,086,488). Included in this amount is approximately £20,920 owing in the dried fruit areas where 1955 and 1956 harvests were poor, £37,780 owing by soldier settlers becoming established in new settlements, and £13,820 on abandoned blocks in depressed Mallee areas. The balance of £134,529 is spread over 139 districts and represents 7.78 per cent. of the 1958-59 assessment.

The respective amounts paid to Consolidated Revenue during the past three years were :—

Year.	Water Rates and Charges, Diversion and Grazing Fees, &c.	Recoup on Account of Payments from Revenue in respect of River Murray Commission, Loan Funds, &c.	Interest on (a) Lands Sold, (b) Plant and Machinery Account, (c) Works for other Authorities.	Total.
	£	£	£	£
1956-57 ..	2,081,651	793,254	(a) 6,617 (b) 50,766 (c) 19,381	2,951,669
1957-58 ..	2,614,162	873,612	(a) 8,519 (b) 51,307 (c) 971	3,548,571
1958-59 ..	2,669,745	920,239	(a) 8,224 (b) 52,724 (c) 1,739	3,652,671

EXPENDITURE.

The expenditure for the year on maintenance, water distribution, and management, and the comparative figures for 1957-58 are set out hereunder :—

	1957-58.	1958-59.
	£	£
From Annual Vote Appropriation	3,351,301	*3,502,610
From Annual Vote Appropriation (Exceptional)	93,641	† 110,885
	<u>3,444,942</u>	<u>†3,613,495</u>

* Includes £442,095 for recoup works, and also £452,676 for administration (including salaries, pay-roll tax, &c.) in respect of expenditure from other funds, charged to vote and recouped to Consolidated Revenue.

† Consists of £2,772 assistance to Sewerage Authorities where works are suspended; £87,104 subsidies to Sewerage Authorities in cases where the interest paid on Capital Liability is in excess of 3 per cent.; £586 subsidies to local Water Authorities to offset losses in reduction of rates; subsidies to local Water Authorities in cases where the interest paid on Capital Liability is in excess of 3 per cent., £17,300; and subsidies to Local Water Authorities to limit maximum water rate to 3s. 6d. in £ N.A.V. £3,123.

‡ Excludes annual vote appropriation in respect of Eildon Sewerage District, £5,369.

Total expenditure on works carried out or supervised by the Commission for the year 1958-59 was as set out hereunder :—

	£	£
Vote Funds	3,613,495	
Special Appropriation	12,050	
	<u>3,625,545</u>	
Ordinary Loan Funds—		
Commission Works	5,928,966	
Contribution to River Murray Commission Works	180,000	
Waterworks Trusts and Local Governing Bodies	1,279,895	
River Improvement Trusts	183,257	
Latrobe Valley Works of Water Supply	330,696	
	<u>7,902,814</u>	
Water Supply Works Depreciation Fund	68,942	
	<u>11,597,301*</u>	

* Excludes Expenditure from Plant and Machinery Depreciation Fund, £167,162 and Expenditure for work carried out on behalf of the Soldier Settlement Commission. £14,784.

Expenditure on Capital construction works was provided from :—

	£
Water Supply Loans Application Act No. 6152	2,156,487
Water Supply Loans Application Act No. 6460	5,632,490
Treasurer's Advance	113,837
	<hr/>
	7,902,814
In addition, the Capital Loan Liability of the State for works of Country Water Supply was increased as a result of loan conversion operations during the year, by an amount of	97,421
	<hr/>
The total increase in Loan Liability for the year was therefore	8,000,235
Deduct—Commission repayments to—	£
State Loans Repayment Fund	311,617
Redemption Account	8,294
Repayments by Waterworks Trusts and Local Governing Bodies	47,847
Repayments by River Improvement Trusts	199
Repayments by Latrobe Valley Works of Water Supply	8,729
	<hr/>
	376,686
	<hr/>
	7,623,549
Deduct—Transfer to Melbourne and Metropolitan Board of Works Act No. 6310 Section 3 (5) and (6)	450,558
Transfer to Lands Department— <i>Fraser National Park Act</i> 1957 No. 6160	25,000
	<hr/>
	475,558
	<hr/>
The net increase in Loan Liability for the year was	7,147,991

The contribution by the Government of Victoria to the River Murray Commission for the maintenance of works under the River Murray Agreement was £49,750 (included in the expenditure from Annual Vote Appropriation as shown above). The actual expenditure by this Commission on the maintenance of these works was £33,221 and on construction of new works £375,282.

CAPITAL LIABILITY.

The Capital Loan Liability of the State for works of Country Water Supply at 30th June, 1959, was £107,609,260 of which amount £92,182,099 is charged to the "Capital Expenditure borne by the State Account". Of the remainder £7,086,316 is charged to Waterworks Trusts and Local Governing Bodies, £35,162 to River Improvement Trusts, £1,517,573 is charged to Latrobe Valley Water Supply under the general supervision of the Commission, £1,825,268 is debited to the Plant and Machinery Account, and the balance, £4,962,842 represents the Capital Liability, after adjustment, debited to Districts directly under the control of the Commission and to plant workshops. These figures are exclusive of an equity of £9,370,604 in the National Debt Sinking Fund.

In accordance with the provisions of the *Water Act* 1943, No. 4983, section 5, interest debited direct to water users on the cost of capital works incurred after the 30th June, 1943, is charged at the rate of 3 per cent. per annum. Interest on the Capital Liability for works of Country Water Supply, incurred prior to that date, is reckoned at the average rate of interest per centum (as determined by the Treasury) payable by the State of Victoria on securities in respect of Water Supply Loan Liabilities as at the thirtieth day of June in the preceding financial year. The average rate per centum of interest so charged for 1958-59 is £4 4s. 7d.

The amounts debited to Country Water Supply Works and the State Development Account on account of interest, exchange on overseas interest and Loan Conversion expenses were :—

	£	s.	d.
Interest	4,249,174	13	10
Exchange on overseas interest	128,002	17	6
Loan Conversion expenses	1,770	10	0
	<hr/>		
	4,378,948	1	4

The amount paid by the Treasury in respect of exchange on overseas interest and loan conversion expenses has not been debited direct to water users.

The following statement shows the approximate interest payment for 1958-59 in relation to the Capital Liability.

Capital Debited to—	Capital Liability as at 30th June, 1959.	Interest Liability (excluding Exchange and Loan Conversion Expenses).	Interest Paid by Water Users (including Arrears).
	£	£	£
Districts under the direct control of the Commission..	4,962,842	145,692	97,122
Waterworks Trusts, Local Governing Bodies and River Improvement Trusts, and Latrobe Valley ..	8,639,051	227,119	231,032
Plant and Machinery Account	1,825,268	52,724	52,724
Capital Expenditure borne by the State Development Account	92,182,099	3,823,640	..
	107,609,260	4,249,175	380,878

DEPRECIATION.

The amount at credit of the Water Supply Works Depreciation Account in the Commission's books at 1st July, 1958, was £928,829 11s. 6d. An amount of £154,270 was raised during the financial year 1958-59 for purposes of depreciation.

A further sum of £3,078 6s. 2d. was paid direct to the credit of the Fund, being amounts contributed by land holders and other bodies as capitalized maintainance of water supply works constructed for their respective benefits.

After crediting the Account with interest amounting to £21,472 3s. 3d. and deducting the expenditure (£68,941 18s. 3d.), from depreciation for the year, the balance remaining in the Account as at 30th June, 1959, was £1,038,708 2s. 8d.

The Water Act No. 6413 Section 83 provides that sums raised in respect of depreciation shall be paid into the Consolidated Revenue or, if the Treasurer so directs, shall to the extent that the Treasurer directs, be placed to the credit of the Water Supply Works Depreciation Fund. The Act provides further that all such moneys paid into the Consolidated Revenue shall be credited to the Water Supply Works Depreciation Account in the books of the Commission and credited with interest each year as if such sums had been placed to the credit of the Fund.

No transfer was made during the year from the Commission's revenue to the Water Supply Works Depreciation Fund in the Treasury. The difference between the credit to the Depreciation Fund and the amounts credited to the Depreciation Account in the Commission's books is £829,981 15s. 1d.—representing depreciation (£684,892) and interest not yet credited (£145,089 15s. 1d.).

It is desirable in order to avoid fluctuations in the Commission's revenue, and to provide for heavy future expenditure in respect of depreciation, that transfers be made annually to the Depreciation Fund.

Details of the Water Supply Works Depreciation Account are set out on page 92, of this Report.

PLANT AND MACHINERY ACCOUNT AND STORES SUSPENSE ACCOUNTS.

The capital liability for large-size moveable plant and machinery, held in the Plant and Machinery Account as at 30th June, 1959, was £1,825,268 9s. 9d.

Items of plant and machinery controlled in the Plant and Machinery Account are hired to the respective works on which they are engaged at rates sufficient to provide interest and redemption on the capital cost of the plant, a reserve fund for major overhauls and depreciation adequate to renew the plant when it has reached the end of its useful life. The operating account is in credit to the extent of £647,850 16s. 1d.

The portion of the hire charge representing depreciation is paid direct to the credit of the Water Supply Plant and Machinery Depreciation Fund, which is kept in the Treasury. The amount at credit of this Fund, which is interest-bearing was £852,744 14s. 11d. as at 30th June, 1959.

The amount at debit of the Water Supply Stores Suspense Account as at 30th June, 1959, was £270,164 19s. 2d.—whereas the book value of stores and equipment controlled within the Account was £918,015 15s. 3d. The difference, £647,850 16s. 1d. represents the amount at credit of the operating account (also controlled within the Stores Suspense Account), in respect to major items of plant recorded in Plant and Machinery Account.

The net debit for plant and material held by the Commission as at 30th June, 1959, is £3,000,645 2s. 4d. and is controlled within funds provided from the following sources :—

	£	s.	d.	£	s.	d.
Water Supply Stores Suspense Account (Act No. 6413) .. ..	..	..	..	270,164	19	2
Water Supply Loans Application Acts—						
Construction Stores Account—						
Rocklands Reservoir	3,348	4	5			
Big Eildon Dam	89,720	4	4			
Cairn Curran Reservoir	12,503	14	2			
Central Gippsland Irrigation Project	157,367	16	1			
Murray Valley Irrigation District	58,202	8	7			
Tarago Tunnel Project	3,817	8	3			
Goulburn Irrigation Remodelling Works	120,964	18	9			
Lake Corangamite Drainage Project	1,820	9	11			
Tullaroop Dam	103,335	19	6			
Central Plant Workshops (Holding E.A.'s for Plant and Spares in Storage)	311,270	6	7			
Bendigo Pipe Suspense	1,557	17	5			
Frankston Pipe Suspense	41,302	5	5			
				905,211	13	5
Plant and Machinery Account (Act No. 6413) .. ..	..	..	..	1,825,268	9	9
				3,000,645	2	4

REVENUE EXPENDITURE CHARGEABLE TO THE STATE ACCOUNT.

The Commission, by direction of the Governor in Council, has throughout 1958–59 continued the operation of 16 Irrigation Districts, 19 Waterworks Districts, 30 Urban Districts, and a Flood Protection District in respect of which Districts the works would not produce sufficient revenue to cover the expenses of maintenance and management. Section 6 of the *Water Act* 1937 (No. 4513) provides that the annual amount of the loss resulting from the maintenance and management of such works shall be transferred in the books of the Commission to the “Revenue Expenditure chargeable to the State Account.” The amount so transferred for 1958–59 was £301,422 making a total of £4,630,520 borne by the State since 1st July, 1938.

In 22 of these districts an aggregate cash surplus of revenue over expenditure of £70,180 was obtained. This amount was applied to Interest (£161), Redemption (£8), and Depreciation (£25,374), leaving a sum of £44,637 available to the credit of the respective districts.

The above figures are exclusive of interest due on Capital Liability incurred in respect of works under construction, which has accrued due before the first rate or charge has been made. Such interest charges are, in accordance with the provisions of the *Water Act* No. 4513, charged to the “Revenue Expenditure chargeable to the State Account”.

FINANCIAL STATEMENTS.

Financial statements in respect of the various Districts controlled and supervised by the Commission are set out in the following pages.

In accordance with the provisions of the *Sewerage Districts Act*, the Commission has been authorised to operate the Eildon Sewerage District, and the District has been rated since 1st July, 1957. The financial operations of the District are excluded from the financial statements set out hereunder, which refer only to operation of Country Water Supply. Financial statements relating to the Eildon Sewerage District are set out on page 80 of this Report.

FINANCIAL OPERATIONS, 1958-59.

A complete analysis of the Commission's financial operations during the year would involve the division of the Commission's activities into those which might be regarded as "Paying" districts or business undertakings, as "Non-paying" districts or subsidized utilities, and as "National Services" respectively.

Pursuant to the *Water Act* 1958 (No. 6413) the Capital Liability of Country Water Supply Works has been adjusted by debiting to water users such amounts of Capital Liability in respect of which interest and redemption could be paid on the basis of existing rates and charges, after providing for operating costs, management, and depreciation. The balance of the Capital Liability has been transferred to the "Capital Expenditure borne by the State Account".

"PAYING" DISTRICTS.

As the water rates and charges in respect of those Districts, the Capital Liability of which has been adjusted, are expected to meet the costs of management and operation in addition to depreciation and interest and redemption on the Capital as adjusted, such districts might be regarded as being within the category of a business undertaking.

The aggregate financial transactions for the year 1958-59, however, in respect of the districts listed hereunder, resulted in an excess of revenue over expenditure to the extent of £92,028.

Irrigation and Water Supply Districts (14).

Bacchus Marsh	Dingee	Murray Valley	South Shepparton
Calivil	Katandra	North Shepparton	Tongala-Stanhope
Campaspe	Maffra-Sale	Rochester	Werribee
Central Gippsland	Merbein		

Waterworks Districts (11).

Bellarine Peninsula	Mornington Peninsula	Walpeup West	West Loddon
East Loddon	Newstead	Western Wimmera	Wimmera United
Hindmarsh	Upper Wimmera		
Kerang North-west Lakes	United		

Urban Districts (62).

Anglesea	Corop	Longwarry	Rainbow
Antwerp	Cranbourne	Manangatang	Red Cliffs
Barwon Heads and Ocean Grove	Culgoa	Marnoo	Robinvale
Berriwillock	Dandenong-Springvale	Merbein	Rupanyup
Beulah	Dimboola	Minyip	Sea Lake
Birchip	Dromana-Portsea	Mornington	Somerville
Birregurra	Drysdale	Nyah	South Frankston
Bittern-Crib Point	Eildon	Nyah West	Stanhope
Bunyip	Garfield	Ouyen	Tallygaroopna
Camperdown	Hastings	Pakenham	Terang
Carwarp	Heyfield	Patchewollock	Torquay
Chelsea-Frankston	Jeparit	Piangil	Ultima
Chillingollah	Koondrook	Portarlington	Wonthaggi
Cobden	Lascelles	Pyramid Hill	Woomelang
Cohuna	Leitchville	Queenscliff and Point Lonsdale	Woorinen
	Lockington		Wycheproof

Flood Protection Districts (3).

Kanyapella	Lower Koo-wee-rup
Loch Garry	

Drainage District (1).

Carrum.

"NON-PAYING" DISTRICTS.

(To which services are continued by direction of the Governor in Council.)

Where the revenue from existing rates and charges is insufficient to meet operating costs, the works in such centres may be maintained and the supply of services continued by direction of Parliament or the Governor in Council, in which case the loss resulting from their maintenance and management is transferred to the "Revenue Expenditure chargeable to the State Account". The supply to these centres might be regarded as a "utility service" as against a "business undertaking".

Districts which were maintained and operated by direction of the Governor in Council are listed hereunder :—

Irrigation and Water Supply Districts (16).

Boort	Kerang	Red Cliffs	*Swan Hill
*Cohuna	Koondrook	*Robinvale	Third Lake
*Deakin	Mystic Park	*Rodney	*Tragowel Plains
Fish Point	Nyah	Shepparton	Tresco

Waterworks Districts (19).

*Axe Creek	Long Lake	Sea Lake	Upper Western
Birchip	Millewa	Tytynder	Wimmera
Harcourt	*Normanville	Tytynder North	Werribee
Karkarooc	*Otway	Tyrrell	*Wycheproof
Loddon	Ouyen	Tyrrell West	Wychitella

Urban Districts (30).

Allansford	*Hopetoun	Murrabit	Speed
Berwick	Jung Jung	Nandaly	Tempy
Brim	*Lake Boga	*Natimuk	Waitchie
Chinkapook	Lalbert	Newstead	*Walpeup
Coliban	Macorna	*Nullawil	Watchem
*Dingee	Marong	Pimpinio	*Werrimull
*Dooen	*Meringur	*Quambatook	Yaapect
Elphinstone	*Mitiamo		

Flood Protection Districts (1).

*Cardinia.

In districts marked “*” the operations for 1958-59 resulted in an aggregate cash surplus of £70,180. Of this amount a sum of £169 has been applied to redemption and interest.

The amount debited to “The Revenue Expenditure chargeable to the State Account” in respect of Districts maintained during 1958-59 by direction of the Governor in Council, in which the Revenue was insufficient to meet operating costs, was	£
.. .. .	301,422

NATIONAL SERVICES.

Included in the heading of “National Services” are such items as river gaugings and inspections; contributions to the River Murray Commission for the maintenance of River Murray works; supervision and administration in respect to waterworks trusts, sewerage authorities, river improvement trusts, and of works constructed from other funds, &c. In addition, the salaries (provided for under special appropriation) paid to the Commissioners of the State Rivers and Water Supply Commission, are debited to the annual cost of operating Country Water Supply Works.

The Total Cost of Services of a National Character administered by the Commission during 1958-59, and paid from the Commission's Vote Appropriation was	£
.. .. .	1,273,495

This amount may be offset by miscellaneous revenue collected in respect to rents, recoup payments, &c.	1,118,488
	<hr/> 155,007 <hr/>

No direct contribution is made to the Commission's revenue to offset the “Utility Service” and “National Services” which the Commission is directed to administer but which are not completely covered by rates or charges.

NET COST TO STATE.

The net cost to the State for the year in connexion with Country Water Supply which has been met from general revenue was £4,317,575. This figure includes the cost of the service referred to earlier. The equivalent figure stated annually is often incorrectly quoted as a “loss” in respect of Country Water Supply, whereas the only amount which, on the existing basis of rates and charges, might be correctly regarded as a cash “loss” is the amount of £164,757 being the net deficiency (£256,785) on

Districts in which the revenue was insufficient to meet expenses, the operations of which as already intimated, were continued by direction of the Governor in Council, less a gain of £92,028 on other Commission Districts.

A summary of the total cost (£4,317,575) to the State for the year is set out hereunder—a more detailed analysis is set out on page 63 of this Report.

	£	£
Net loss on "Order in Council" Districts	256,785	
Less net gain on Commission Districts	92,028	
		164,757
Cost of "National Services"	1,273,495	
Less Miscellaneous Revenue Collected	1,118,488	
		155,007
		319,764
Interest, Exchange, and Loan Conversion Expenses on Headworks and Capital borne by the State	3,953,413	
	£	
Less Interest on Land sold	8,224	
Interest on Plant sold to, and works carried out for other Authorities	1,739	
Reduction in Arrears of Interest owing by Waterworks Trusts 1957-58	3,914	
		13,877
		3,939,536
		4,259,300
Less amount paid to Revenue in respect of Depreciation (£153,272) and Redemption (£3,900)		157,172
		4,102,128
Add amount transferred from Revenue to Depreciation Fund		
		4,102,128
Contribution to National Debt Sinking Fund	261,243	
Less Recoups paid to Revenue	45,796	
		215,447
		4,317,575

The net cost to the State (£4,317,575) representing £1 10s. 8d. per capita of the population of the State, was £453,992 greater than the comparable figure for the previous year.

This increase is due primarily to the continued increase in Interest, Exchange, and Loan Conversion Expenses on Loan Liability which reached a record total of £4,378,948 (an increase of £357,038 over the previous year).

Since the charge for Interest is determined by the Loan Liability of the Commission, the continued programme of capital works necessary for development of the water resources of the State must result in an increased Interest charge, and with rising Interest rates on borrowed moneys, the charge must increase to a greater extent, with a corresponding tendency to increase the overall cost to the State of Country Water Supply.

RESULTS OF OPERATIONS IN DISTRICTS UNDER CONTROL OF COMMISSION.

Disbursements, 1958-59.

	Operating Expenses.	Interest on Capital Allotted.	Depreciation Paid by Districts.		Redemption Paid by Districts.	Total Disbursements.
			On Works.	On Buildings.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Plant Workshops	36,159 18 11	568 19 4	2,672 0 0	..	53 1 0	39,154 2 3
Coliban Works	166,224 3 1	12,388 1 6	18,711 0 0	775 13 6	..	198,098 18 1
Irrigation Districts	1,306,682 14 0	..	68,279 0 0	9,966 2 2	..	1,384,927 16 2
Waterworks Districts	578,477 12 5	24,988 7 7	15,549 0 0	2,953 3 8	..	621,968 3 8
Urban Districts	273,775 17 11	107,747 2 2	33,061 0 0	1,129 7 5	3,846 15 8	419,560 3 2
Flood Protection Districts ..	53,107 12 11	..	..	122 11 0	..	53,230 3 11
Carrum Drainage District ..	8,835 18 11	..	..	53 2 3	..	8,889 1 2
Expenditure not chargeable to Districts—River Murray Commission, Recoupable and other items	2,423,263 18 2	145,692 10 7	138,272 0 0	15,000 0 0	3,899 19 8	2,726,128 8 5
	1,189,930 0 1	..	..	..	..	1,189,930 0 1
	3,613,193 18 3	145,692 10 7	138,272 0 0	15,000 0 0	3,899 19 8*	3,916,058 8 6

* Exclusive of Redemption paid in respect of Plant and Machinery Account.

Receipts, 1958-59.

	Water Rates and Charges, Diversion and Grazing Fees, &c.	Recoups on Account of Payments from Revenue.	Total Receipts.	Less—Transfer to Depreciation Fund.	Nett Collections Paid to Consolidated Revenue.	Excess (Dr.) Disbursements over Receipts (Cr.) Receipts over Disbursements.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Plant Workshops	1,006 9 11	53,235 14 11	54,242 4 10	..	54,242 4 10	(Cr.) 14,788 2 7
Coliban Works	164,242 5 5	5 16 9	164,248 2 2	..	164,248 2 2	(Dr.) 33,850 15 11
Irrigation Districts	1,462,820 7 3	2,997 19 3	1,465,818 6 6	..	1,465,818 6 6	(Cr.) 80,890 10 4
Waterworks Districts	401,071 19 5	709 0 11	401,781 0 4	..	401,781 0 4	(Dr.) 220,187 3 4
Urban Districts	417,363 9 7	100 2 1	417,463 11 8	..	417,463 11 8	(Dr.) 2,096 11 6
Flood Protection Districts ..	41,842 19 2	..	41,842 19 2	..	41,842 19 2	(Dr.) 11,387 4 9
Carrum Drainage District ..	15,909 9 10	65 11 6	15,975 1 4	..	15,975 1 4	(Cr.) 7,086 0 2
	2,504,257 0 7	57,114 5 5	2,561,371 6 0	..	2,561,371 6 0	(Dr.) 164,757 2 5
Miscellaneous	165,487 19 4*	1,995 7 3	167,483 6 7	..	167,483 6 7	(Cr.) 167,483 6 7
Recoups of amounts paid from Revenue not credited to Districts .. ..	..	861,129 7 6	861,129 7 6	..	861,129 7 6	(Dr.) 328,800 12 7
	2,669,744 19 11	920,239 0 2	3,589,984 0 1	..	3,589,984 0 1	(Dr.) 326,074 8 5

* In addition an amount of £16,668 1s. 8d. was collected and paid to Rivers and Streams Fund as net revenue pursuant to Section 40 (1) (b) *River Improvement Act 1958* No. 6358.

NOTE.—This statement excludes operations of Eildon Sewerage District: Receipts £7,213 11s., Disbursements (incl. Depreciation) £6,366 12s. 9d.

SUMMARY OF OPERATIONS FOR YEAR 1958-59.

Receipts.

Expenditure.

NATIONAL AND OTHER WORKS AND SERVICES.

Construction, Administration, and Works for Other Authorities, and Water Users.

(Result)

	£	s.	d.		£	s.	d.	£	s.	d.	
On-cost received	420,634	2	9	Administration	452,675	12	5				
Recoups of Expenditure	439,795	4	9	Expenditure Recoupable	442,095	0	10	Dr.	34,341	5	9
Deficiency	34,341	5	9								
	894,770	13	3		894,770	13	3				

River Murray, Sewerage, Grazing Rentals, &c. and Miscellaneous National Services.

Recoup of Expenditure	700	0	0	Commissioners' Salaries	12,351	5	0				
Grants to Sewerage Authorities	89,876	0	5	River Murray, Sewerage, and Trusts	160,634	15	10				
Grazing Rentals, &c.	167,483	6	7	Miscellaneous National Services	134,524	11	0				
Deficiency	120,665	8	0	Pensions and Gratuities	71,214	3	2	Dr.	120,665	8	0
	378,724	15	0		378,724	15	0				

Net Cost to the State for Services of a National Character

COMMISSION DISTRICTS.

Rates and Charges	2,561,371	6	0	Vote Funds	2,423,263	18	2				
Less Depreciation Transfer											
	2,561,371	6	0	Interest charged on Capital borne by Districts	145,692	10	7	Dr.	7,585	2	9
Deficiency	7,585	2	9		2,568,956	8	9				
	2,568,956	8	9								

CAPITAL CHARGES.

Interest.

Interest Paid by Trusts	231,032	6	6	Interest, Exchange, and Loan Conversion Expenses	4,378,948	1	4				
" from Plant Hire, &c.	62,687	6	4					Dr.	3,939,535	17	11
" charged to Commission Districts	145,692	10	7								
" Deficiency	3,939,535	17	11								
	4,378,948	1	4		4,378,948	1	4				
								Dr.	4,102,127	14	5

National Debt Sinking Fund.

Recoup of Contributions—				Contribution to National Debt Sinking Fund	261,243	8	0				
Paid by Trusts	41,402	9	9					Dr.	215,447	5	2
Paid from Plant Hire	4,393	13	1								
Deficiency	215,447	5	2								
	261,243	8	0		261,243	8	0				

Total Expenditure Borne by the State

NOTE.—These statements exclude operations of Eildon Sewerage District: Receipts £7,213 14s. 0d.. Expenditure £6,366 12s. 9d., Surplus £847 1s. 3d.

RECEIPTS AND DISBURSEMENTS.

STATEMENT of Moneys Received and Disbursed during the Year Ended 30th June, 1959.

Works.	Receipts.						Disbursements from Annual Vote and (a) Special Appropriation (Exclusive of Interest Redemption and Depreciation Charges).	
	Total.		Paid to Depreciation Fund.		Paid to Consolidated Revenue.			
	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Commission's Districts—								
Plant Workshop	54,242	4 10	..		54,242	4 10	36,159	18 11
Coliban Works	164,248	2 2	..		164,248	2 2	166,224	3 1
Irrigation Districts	1,465,818	6 6	..		1,465,818	6 6	1,306,682	14 0
Waterworks Districts.. .. .	401,781	0 4	..		401,781	0 4	578,477	12 5
Urban Districts	417,463	11 8	..		417,463	11 8	273,775	17 11
Flood Protection Districts	41,842	19 2	..		41,842	19 2	53,107	12 11
Carrum Drainage District	15,975	1 4	..		15,975	1 4	8,835	18 11
	2,561,371	6 0	..		2,561,371	6 0	2,423,263	18 2
Other works and services (not directly apportionable to Districts)—								
Miscellaneous, Grazing Rentals, &c.	167,483	6 7	..		167,483	6 7	..	
River Murray Commission .. .. .	..		..		..		49,750	0 0
Assistance to Sewerage Authorities .. .. .	..		..		..		89,876	0 5
Assistance to Waterworks Trusts .. .. .	..		..		..		21,008	15 5
Miscellaneous National Services .. .. .	..		..		..		134,524	11 0
Expenditure Recoupable	439,795	4 9	..		439,795	4 9	442,095	0 10
Administration in respect of Expenditure from other funds (including Salaries, Pay-roll Tax, &c.) ..	420,634	2 9	..		420,634	2 9	452,675	12 5
Total—Other Works and Services	1,027,912	14 1	..		1,027,912	14 1	1,189,930	0 1
Total Vote	3,589,284	0 1	..		3,589,284	0 1	3,613,193	18 3
Commissioners' Salaries (Special Appropriation) ..	700	0 0	..		700	0 0	12,351	5 0
Grand Totals	3,589,984	0 1	..		3,589,984	0 1	3,625,545	3 3
Total Disbursements from Vote, and special Appropriation .. .. .					..		3,625,545	3 3
Net Receipts paid to Consolidated Revenue					3,589,984	0 1	..	
Grants from Revenue—								
To Assist Sewerage Authorities					89,876	0 5		
							3,679,860	0 6
Surplus from Commission's Operations .. .. .					..		Cr. 54,314	17 3
Amount not included in above Statement—								
Debits by Treasury for Pensions and Gratuities					71,214	3 2	..	
Interest Paid :—By Waterworks Trusts and Local Governing Bodies, £231,032 6s. 6d. ; Plant and Machinery Account, &c., £52,723 17s. ; on Land Sold, £8,224 1s. 10d. ; and on Plant sold to and Works carried out for other Authorities, £1,739 7s. 6d. ..					Cr. 293,719	12 10		
							Cr. 222,505	9 8
Interest, Exchange, and Loan Conversion Expenses .. .. .					..		Cr. 276,820	6 11
							4,378,948	1 4
Deficiency charged to State, exclusive of National Debt Sinking Fund Operations ..					..		4,102,127	14 5
Debit by Treasury for National Debt Sinking Fund Contributions					261,243	8 0		
Recoup of Contributions paid :—By Waterworks Trusts, £41,204 0s. 4d. ; River Improvement Trusts, £198 9s. 5d. ; and Plant and Machinery Account, £4,393 13s. 1d.					45,796	2 10		
							215,447	5 2
Total amount borne by the State .. .. .					..		4,317,574	19 7

This statement excludes operations of Eildon Sewerage District : Receipts, £7,213 14s. ; Disbursements, £5,368 12s. 9d.

ANALYSIS OF EXPENDITURE BORNE BY THE STATE, 1958-59.

	£	s.	d.	£	s.	d.
Services of a National Character—						
River Murray Commission's Contributions by State of Victoria in accordance with the provisions of the River Murray Water Acts .. .. .	..	..	..	49,750	0	0
Assistance to Sewerage Authorities—						
Where works were suspended and are still under construction	2,772	0	0			
In cases where the Interest paid on Capital Liability is in excess of the rate 3 per cent. . .	87,104	0	5			
				89,876	0	5
Subsidies to Waterworks Trusts and local Governing bodies—						
To enable a reduction of 33½ per cent. to be made in Water Rates	585	17	0			
Where Interest is in excess of 3 per cent. on Loans raised	17,299	18	5			
To limit maximum water rate to 3/6 in the £ N.A.V.	3,123	0	0			
				21,008	15	5
Miscellaneous Services—						
Administration Waterworks Trusts and Sewerage Authorities, &c.	19,507	18	6			
Administration Farm Water Supplies	3,514	5	0			
Irrigation Branch	24,619	2	4			
Travelling, Minister and Commissioners	2,237	1	0			
Minister's staff, salaries, and Pay-Roll Tax	3,068	19	2			
Free Water for Research, Free Places Melbourne University, Library, Publicity, &c. ..	24,514	1	2			
River and Reclamation Division, River Gaugings, Diversions, Land Leasing, Surveys and Reports, Underground Water and Mining Investigations, Hydraulic Research	57,063	3	10			
				134,524	11	0
Administration in respect to Expenditure from other Funds and Works carried out for other Authorities (including Salaries, Pay-Roll Tax, &c.) .. .. .	..	..	..	452,675	12	5
Works carried out for Other Authorities and Water Users, and Salaries charged to construction Projects, Recoupable .. .. .	..	..	..	442,095	0	10
TOTAL (from Vote Funds)						
Commissioner's Salaries (Special appropriation), including Pay-Roll Tax .. .. .	..	..	..	1,189,930	0	1
	..	..	..	12,351	5	0
TOTAL Expenditure on Services of a National Character						
Amount debited by Treasury for Pensions and Gratuities .. .. .	..	..	..	1,202,281	5	1
	..	..	..	71,214	3	2
				1,273,495	8	3
Less Revenue received from Grazing Licences, Rents, &c., £167,483 6s. 7d.; On-cost of Expenditure from Other Funds, £420,634 2s. 9d.; Recoups, £439,795 4s. 9d. . .						
.. Special Recoup, Commissioner's Salaries	1,027,912	14	1			
.. Grants by State, Assistance to Sewerage Authorities	700	0	0			
	89,876	0	5			
				1,118,488	14	6
Net cost to the State for Services of a National Character						
.. .. .	..	..	..	155,006	13	9
Interest on Capital Expenditure on Headworks and other Capital Expenditure borne by the State						
.. .. .	3,823,639	15	5			
Exchange on Overseas Interest Payments						
.. .. .	128,002	17	6			
Loan Conversion Expenses						
.. .. .	1,770	10	0			
				3,953,413	2	11
Less Decrease in Arrears of Interest owing by Waterworks Trusts and other Corporations						
.. .. .	£	s.	d.			
.. .. .	3,913	15	8			
.. Interest on Lands Sold	8,224	1	10			
.. " " Plant Sold to and works carried out for other Authorities	1,739	7	6			
				13,877	5	0
				3,939,535	17	11
Commission Districts—						
Districts, the Capital Liability of which have been adjusted—						
Excess Revenue over Expenditure after allowing for Depreciation, £66,875 2s. 4d., and Redemption, £3,892 9s. .. .. .	..	..	..	Cr. 214,173	3	5
Current Interest—						
Paid	96,960	14	7			
Forward Unpaid	25,184	8	2			
				122,145	2	9
				Cr. 92,028	0	8
Districts supplied by direction of Governor in Council, but which show excess Revenue over Operating Costs after allowing for Depreciation, £25,374 2s. 11d., and Redemption, £7 10s. 8d.—						
Surplus	44,797	17	10			
Less Current Interest Paid	161	3	4	Cr. 44,636	14	6
				Cr. 136,664	15	2
Excess Expenditure in Districts supplied by direction of Governor in Council and showing excess Expenditure over Revenue inclusive of Interest, £23,386 4s. 6d., and Depreciation, £61,022 14s. 9d. . .						
.. .. .	301,421	17	7			
				164,757	2	5
Add amounts transferred to Water Supply Works Depreciation Fund in Treasury on Account of moneys paid to Revenue and Interest credited to Depreciation Account						
.. .. .	..	..	..	164,757	2	5
Deduct amounts paid to Revenue in respect of Depreciation on Works and Buildings, £153,272 and Redemption, £3,899 19s. 8d. . .						
.. .. .	157,171	19	8			
				Cr. 7,585	2	9
				4,102,127	14	5
National Debt Sinking Fund Operations—						
Contributions to Fund	261,243	8	0			
Less Recoups paid by River Improvement Trusts	198	9	5			
" " " " Waterworks Trusts	41,204	0	4			
" " " " Plant Hire	4,393	13	1			
	45,796	2	10			
				215,447	5	2
Net Expenditure borne by the State						
.. .. .	..	..	..	4,317,574	19	7

NOTE.—This statement excludes operations of Elldon Sewerage District.

**PLANT WORKSHOPS.
CASH ACCOUNT.**

District.	Receipts.		Expenditure.							Total to 30th June, 1959.	Excess Expenditure over Receipts, 1958-59.	Excess Receipts over Expenditure, 1958-59.	Accumulated.	
	Receipts Year Ended 30th June, 1959.	Total to 30th June, 1959.	Year Ended 30th June, 1959.			Redemption.	Total.	Surplus Credited to District Account at 30th June, 1959.	Deficiency Chargeable to District Account at 30th June, 1959.					
			Operating Costs.	Interest.	Depreciation.								6.	7.	8.	9.	10.	11.	12.	13.	14.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	
1. Bendigo	£ 48,210 16 7	£ 309,504 8 9	£ 30,777 12 8	£ 514 17 0	£ 2,050 0 0	£ 44 1 10	£ 33,386 11 6	£ 327,380 9 4	£ 291 10 10	£ 14,824 5 1	£	£ 17,876 0 7	£	
2. Residences	1,006 9 11	9,934 1 0	948 0 9	.. ..	350 0 0	.. ..	1,298 0 9	10,749 14 2	.. ..	.. ..	.. ..	815 13 2	.. ..
Total Central Plant Workshops	49,217 6 6	319,438 9 9	31,725 13 5	514 17 0	2,400 0 0	44 1 10	34,684 12 3	338,130 3 6	291 10 10	14,824 5 1	426 14 3	18,691 13 9	.. ..
3. Kerang Sub-Depot	3,023 5 0	13,332 1 1	2,567 4 3	54 2 4	222 0 0	9 2 2	2,852 8 9	12,905 6 10	.. ..	170 16 3	.. ..	143 0 3	.. ..
4. Tatura Sub-Depot	2,001 13 4	3,759 5 9	1,867 1 3	.. ..	50 0 0	.. ..	1,917 1 3	3,902 6 0	.. ..	84 12 1	.. ..	.. ..	.. ..
Totals	54,242 4 10	336,529 16 7	36,159 18 11	568 19 4	2,672 0 0	53 4 0	39,454 2 3	354,937 16 4	291 10 10	15,079 13 5	426 14 3	18,834 14 0	.. ..

**COLIBAN SYSTEM.
CASH ACCOUNT.**

STATEMENT of Moneys received and disbursed from 1st July, 1905, to 30th June, 1959; also of Interest charged at the rate of 4·22916 per cent. on Capital Debits as at 30th June, 1943, and 3 per cent. on Capital Debits subsequent to 30th June, 1943, and of Depreciation and Redemption charged for Financial Year 1958-59.

The Districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of maintenance and management thereof, and where water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account". (By authority of Order in Council dated 23rd June, 1959 under the provisions of Section 47, *Water Act 1958* No. 6413.)

District.	Receipts.			Expenditure.						Total, 1905, to 30th June, 1959.	Excess Expenditure over Receipts, 1958-59.	Excess Receipts over Expenditure, 1958-59.	Accumulated.		
	Receipts Year Ended 30th June, 1959.	Total, 1905, to 30th June, 1959.	Operating Costs.	Interest.		Depreciation.		Redemption.	Total.				Surplus (Credited to District Account at 30th June, 1959.	Deficiency Chargeable to District Account at 30th June, 1959.	
				£	s.	d.	£								s.	d.	£	s.	d.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.		
1. Axe Creek	971 10 11	20,257 0 8	860 19 11	12,387 4 6	4 4 9	..	865 4 8	24,434 13 11	32,512 5 6	106 6 3	..	866 3 9	3,311 9 6		
2. Coliban	157,187 9 1	2,896,417 12 4	158,200 2 5	..	19,112 7 8	..	189,699 14 7	4,181,134 17 6	..	..	..	13,729 8 9	1,270,987 16 5
3. Elphinstone	348 13 1	990 0 7	357 8 4	..	122 17 3	..	480 5 7	1,072 18 5	131 12 6	..	48 14 8	5,086 3 9	131 12 6		
4. Harcourt	5,208 18 10	96,612 3 8	6,232 18 8	0 17 0	138 7 7	..	6,371 6 3	102,860 14 10	1,162 7 5	..	..	55 16 3	1,162 7 5
5. Marong	531 10 3	6,706 5 10	572 13 9	..	108 16 3	..	682 7 0	8,173 6 8	150 16 9	..	..	55 16 3	1,411 4 7
Totals	164,248 2 2	3,020,983 3 1	166,224 3 1	12,388 1 6	19,486 13 6	..	198,098 18 1	4,317,676 11 4	33,957 2 2	106 6 3	48 14 8	19,737 12 6	1,277,004 10 5		

PLANT WORKSHOPS.

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1958-59.

1.	(A) Value of Work Completed or in Progress. (B) House Rents.	Expenditure.				Profit and Loss.									
		Operating Costs. 3.	Interest. 4.	Depreciation. 5.	Redemption. 6.	Total. 7.	Expenditure in Excess of Earnings. 8.	Earnings in Excess of Expenditure. 9.	Adjustments to Revenue Prior to 1958-59. 10.	Loss as at 30th June, 1959. 11.	Gain as at 30th June, 1959. 12.				
	2.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.		
1. Bendigo	(A) 36,674	5	1	30,777	12	8	514	17	0	2,050	0	0	33,386	11	6
2. Residences	(B) 1,006	9	11	948	0	9	..	..	..	350	0	0	1,298	0	9
Total Central Plant Workshops	37,680	15	0	31,725	13	5	514	17	0	2,400	0	0	34,684	12	3
3. Korang Sub-Depot	3,023	5	0	2,567	2	4	54	2	4	282	0	0	2,847	17	8
4. Tatura Sub-Depot	2,001	13	4	1,867	1	3	..	..	..	50	0	0	1,917	1	3
Totals	42,705	13	4	36,159	18	11	568	19	4	2,672	0	0	39,449	11	2
							48	12	11				£	s.	d.
													3,287	13	7
													11,257	17	0
													815	13	2
													12,073	10	2
													143	0	3
													£	s.	d.
													12,216	10	5
													426	14	3

COLIBAN SYSTEM.

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1958-59.

STATEMENT of Revenue Assessment (Inclusive of Rates, Water Sales, Interest and Miscellaneous) and Expenditure, Interest, Depreciation, and Redemption charged and Amounts Written Off.

The Districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account". (By authority of Order in Council dated 23rd June, 1959, under the provisions of Section 47, *Inter Act* 1958, No. 6413.)

District.	Expenditure.							Profit and Loss.						
	Revenue Assessment.	Operating Costs.	Interest.	Depreciation.	Redemption.	Amount Written Off.	Total.	Excess Expenditure over Assessment.	Excess Assessment over Expenditure.	Revenue Due for Previous Year Written Off.	Adjustments for Years prior to 1958-59 (A) Loss. (B) Gain.	Interest and Other Losses before July 1938. Borne by State (Act No. 6413 S. 54).	Loss since 30th June, 1938.	Gain as at 30th June, 1959.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Aye Creek	962 8 10	860 19 11		4 4 9			865 4 8	27 21 16 10	97 4 2	755 8 3 (B)	7 10 2	828 373 18 10	4,140 3 1	..
2. Coliban	163 223 10 3	158 200 2 5	12 387 4 6	19 112 7 8	733 0 0	2 12 6	190 435 5 1	114 1 10	..	0 19 6	..	..	452,034 2 7	..
3. Elphinstone	366 3 9	357 8 4		122 17 3		..	480 5 7	1 157 18 6	..	..	..	..	45 16 2	..
4. Harcourt	5 213 7 9	6 232 18 8		138 7 7		..	6 371 6 3	184 2 7	..	38 13 10	..	..	6,167 2 8	..
5. Marong	498 6 3	572 13 9	0 17 0	108 16 3	0 1 10	..	682 8 10	..	..	..	..	..	1,445 10 7	..
Total	170,263 16 10	166,224 3 1	12,388 1 6	19,486 13 6	733 1 10	2 12 6	198,834 12 5	28,667 19 9	97 4 2	795 1 7 (B)	7 10 2	828 373 18 10	463,832 15 1	..

IRRIGATION AND WATER SUPPLY DISTRICTS.

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1959; also of Depreciation charged for Financial Year 1958-59.
(State Works of Water Supply excluded.)

District.	Receipts.			Expenditure.					Excess Expenditure over Receipts, 1958-59.	Excess Receipts over Expenditure, 1958-59.	Accumulated.			
	Total, 1906, to 30th June, 1959.			Year Ended 30th June, 1959.		Total, 1906, to 30th June, 1959.	£	s.			d.	£	s.	d.
	Receipts Year Ended 30th June, 1959.		Operating Costs.	Depreciation.	Total.									
	£	s. d.												
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.			
£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	
1. Bacchus Marsh ..	14,510 19 3	307,140 14 11	13,080 7 11	395 1 2	13,475 9 1	332,490 19 2	..	1,035 10 2	..	4,179 16 0	21,170 8 3	..	..
2. Calivil ..	17,810 11 9	169,658 19 6	11,791 16 11	1,054 17 6	12,846 14 5	174,220 8 3	..	4,963 17 4	15,374 0 5	..	19,935 9 2	..	..
3. Campaspe ..	2,598 6 9	48,176 7 10	1,375 4 2	339 13 10	1,714 18 0	55,186 3 7	..	883 8 9	..	1,547 8 4	5,462 7 5	..	..
4. Central Gippsland ..	43,825 6 7	142,367 10 0	29,694 16 2	1,322 4 11	31,017 1 1	99,480 6 1	..	12,808 5 6	42,887 3 11	..	..	..	..
5. Dungee ..	8,286 8 6	121,306 11 6	7,849 16 2	488 11 11	8,338 8 1	128,213 0 5	51 19 7	..	..	2,139 17 6	4,766 11 5	..	..
6. Katandra ..	16,467 4 5	162,237 8 6	14,962 2 0	456 4 10	15,418 6 10	185,967 0 11	..	1,048 17 7	4,128 7 8	..	27,858 0 1	..	..
7. Maffra-Sale ..	78,891 11 4	818,604 4 3	63,347 2 9	6,408 11 1	69,755 13 10	900,448 6 7	..	9,135 17 6	..	75,993 1 8	5,851 0 8	..	..
8. Merbein ..	91,844 16 2	1,630,657 12 11	84,020 11 5	4,446 11 5	88,467 2 10	1,799,985 1 10	..	3,377 13 4	..	3,723 15 11	105,003 13 0	..	..
9. Murray Valley ..	149,262 10 2	940,999 5 3	106,277 6 6	1,731 6 6	108,008 13 0	835,159 15 0	..	41,253 17 2	105,839 10 3	..	..	..	..
10. North Shepparton ..	35,318 19 7	337,160 19 10	26,271 3 5	1,023 17 10	27,295 1 3	381,101 18 11	..	8,023 18 4	..	635 6 4	43,305 12 9	..	..
11. Rochester ..	107,971 15 2	1,462,528 7 6	89,462 1 7	5,212 0 11	94,664 2 6	1,475,802 18 3	..	13,307 12 8	21,888 5 9	..	35,162 16 6	..	..
12. South Shepparton ..	10,538 9 2	117,485 6 4	7,884 18 2	321 4 10	8,206 3 0	124,040 11 7	..	2,332 6 2	..	3,809 2 7	2,746 2 8	..	..
13. Tongala-Stanhope ..	90,162 7 4	1,113,303 1 10	90,202 4 11	2,462 7 7	92,664 12 6	1,321,527 15 1	2,512 5 2	..	..	..	82,659 14 9	125,564 18 6	..
14. Werribee ..	31,688 15 9	434,042 11 2	30,416 3 10	607 19 7	31,024 3 5	494,035 13 9	..	664 12 4	..	..	43,179 1 2	16,214 1 5	..
Totals ..	699,168 1 1	7,896,269 1 4	576,625 15 11	26,270 13 11	602,896 9 10	8,307,059 19 5	2,564 4 9	98,835 16 10	190,117 8 0	217,867 4 3	473,641 1 10	..	..

IRRIGATION AND WATER SUPPLY DISTRICTS—continued.

CASH ACCOUNT—continued.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1959; also of Depreciation charged for Financial Year 1958-59.
(State Works of Water Supply excluded)—continued.

District.	Receipts.			Expenditure.						Excess Receipts over Expenditure, 1958-59.	Surplus (credited to District Account at 30th June, 1959).	Accumulated.																					
	Total, 1906, to 30th June, 1959.			Year Ended 30th June, 1959.			Total, 1906, to 30th June, 1959.					Excess Receipts over Expenditure, 1958-59.	Deficiency (charged to District Account at 30th June, 1959).	Deficiency Chargeable to State Account at 30th June, 1959.																			
	Receipts Year Ended 30th June, 1959.	£	s.	d.	Operating Costs.	Depreciation.	Total.	£	s.						d.																		
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.																						
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.																		
15. Boort ..	25,268	8	4	329,246	16	1	20,637	6	3	2,141	9	5	31,778	15	8	431,793	14	9	6,510	7	4	..	..	71,696	6	10	30,880	11	19		
16. Colma ..	87,974	14	11	1,249,283	8	2	78,167	4	4	5,029	6	0	83,196	10	4	1,310,180	5	1	..	..	4,778	4	7	..	..	9,606	2	11	51,290	14	0
17. Deakin ..	18,241	8	6	305,004	1	1	16,879	10	8	1,143	1	0	18,022	11	8	337,087	15	7	..	..	218	16	10	..	..	12,490	18	4	19,592	16	2
18. Fish Point ..	2,372	17	11	35,167	1	6	4,095	15	4	200	16	3	4,296	11	7	60,274	13	4	1,923	13	8	..	..	..	..	654	5	10	24,453	6	0
19. Kerang ..	34,890	1	5	522,093	0	11	39,365	2	7	4,134	0	5	43,499	3	0	590,939	13	2	8,609	1	7	..	..	..	..	23,258	8	8	45,588	3	7
20. Koondrook ..	38,303	16	5	627,590	16	7	41,362	19	3	2,345	1	10	43,708	1	1	750,610	18	3	5,404	4	8	..	..	..	..	43,073	7	9	79,946	13	11
21. Mystic Park ..	3,728	7	7	51,808	18	3	5,880	9	7	234	18	2	6,115	7	9	88,694	2	3	2,387	0	2	..	..	..	..	22,108	18	2	14,776	5	10
22. Nyah ..	30,738	12	3	476,054	17	4	32,071	1	4	2,034	4	11	34,105	6	3	585,157	14	7	3,366	14	0	..	..	..	..	28,256	14	6	80,846	2	9
23. Red Cliffs ..	133,007	2	3	2,178,017	9	6	142,493	0	1	8,383	3	3	150,876	3	4	2,450,632	1	9	17,869	1	1	..	..	..	..	57,362	4	1	215,252	8	2
24. Robinvale ..	58,397	9	5	303,611	7	6	56,839	7	4	7,392	6	10	64,231	14	2	464,547	14	5	5,834	4	9	..	..	..	..	131,221	8	10	29,714	18	1
25. Rodney ..	162,576	6	3	1,940,570	13	0	126,360	0	9	8,790	2	5	135,150	3	2	2,112,730	17	0	..	..	27,426	3	1	..	..	56,421	13	8	115,738	10	4
26. Shepparton ..	40,778	11	6	554,457	2	11	42,147	3	1	1,718	2	9	43,865	5	10	684,144	16	10	3,086	14	4	..	..	..	..	65,688	7	10	68,999	6	1
27. Swan Hill ..	45,482	10	9	639,391	8	11	43,851	0	11	2,431	2	5	46,282	3	4	772,462	5	0	799	12	7	..	..	..	..	76,087	19	5	56,982	16	8
28. Third Lake ..	3,990	0	2	47,772	7	3	4,038	5	2	161	8	5	4,199	13	7	61,058	11	3	209	13	5	..	..	..	..	6,652	12	6	6,633	11	6
29. Tragowel Plains ..	67,120	16	5	905,569	15	6	50,917	0	5	4,782	9	7	55,699	10	0	994,145	10	8	..	..	11,421	6	5	..	..	45,735	8	6	42,840	6	8
30. Treco ..	13,779	0	6	156,594	12	6	15,951	11	0	1,052	14	7	17,004	5	7	318,649	16	10	3,225	5	1	..	..	..	..	8,019	10	7	154,035	13	9
Totals ..	766,050	4	7	10,322,233	17	0	730,056	18	1	51,974	8	3	781,031	5	4	12,013,110	10	9	59,225	12	8	43,844	10	11	658,334	8	5	1,032,542	5	4	
Grand Totals ..	1,465,518	6	6	18,128,502	18	4	1,306,682	14	0	78,245	2	2	1,384,927	16	2	20,320,770	10	2	61,789	17	5	142,680	7	9	190,117	8	0	876,201	12	8	1,506,183	7	2

The Districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account." (By authority of Order in Council dated 23rd June, 1959, under the provisions of Section 47, *Water Act* 1958, No. 4413.)

The Districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account." (By authority of Order in Council dated 23rd June, 1959, under the provisions of Section 47, *Water Act* 1958, No. 6413.)

IRRIGATION AND WATER SUPPLY DISTRICTS.

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1958-59.

STATEMENT of Revenue Assessment (inclusive of Rate, Charge, Water Sales, Interest, Miscellaneous and Credits for Urban Water), and Expenditure and Depreciation Charged and Amounts Written Off.

District.	Revenue Assessment.				Expenditure.				Profit and Loss.				Gain as at 30th June, 1959.												
	(A) General Rate.		(B) Drainage Rate.		(A) Irrigation Charge.		(B) Sales and Miscellaneous.		Total Revenue Assessment.		(A) Operating Costs.			(B) Depreciation.		Amounts Written Off.		Total.	(Dr.) Excess Expenditure over Assessment.	(Cr.) Excess Assessment over Expenditure.	Revenue Due for Previous Years Written Off.	Adjustments to Revenue prior to 1958-59. (A) Loss. (B) Gain.	Interest and Other Losses before 1st July, 1958, Borne by State. (Act No. 6413, s. 54.)	Loss since 30th June, 1958.	
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.		£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1. Bacchus Marsh	(A) 2,682 17 0	(B) 5,373 14 11	(A) 6,593 10 0	(B) 5,373 14 11	(A) 14,650 1 11	(B) 13,080 7 11	(A) 385 1 2	(B) 11,551 16 11	(A) 1,975 17 6	(B) 1,375 13 10	(A) 29,694 16 2	(B) 20,858 0 10	(A) 380 1 3	(B) 1 12 0	(A) 21,170 8 3	(B) 2,612 6 6	21,371 13 2	...	...	...	...	...	...	...
2. Calivil	(A) 2,082 11 6	(B) 5,373 14 11	(A) 6,593 10 0	(B) 5,373 14 11	(A) 14,505 3 9	(B) 11,551 16 11	(A) 1,975 17 6	(B) 1,375 13 10	(A) 2,717 6 9	(B) 83 12 0	(A) 52,325 19 2	(B) 450 17 3	(A) 31,467 18 4	(B) 8,338 8 1	(A) 15,418 6 10	(B) 69,849 4 2	88,471 19 6	108,301 19 10	(Cr.) 21,746 12 2	(Cr.) 1,955 3 7	27 10 5	35,162 16 6	2,944 7 6	121,548 17 3	...
3. Campaspe	(A) 2,108 15 2	(B) 5,373 14 11	(A) 6,593 10 0	(B) 5,373 14 11	(A) 2,717 6 9	(B) 1,375 13 10	(A) 2,717 6 9	(B) 1,375 13 10	(A) 7,408 15 2	(B) 13,919 12 5	(A) 82,295 16 10	(B) 4 16 8	(A) 88,471 19 6	(B) 108,301 19 10	(Cr.) 21,746 12 2	(Cr.) 1,955 3 7	27 10 5	35,162 16 6	2,944 7 6	121,548 17 3	40,962 4 4	...	...	...
4. Central Gippsland	(A) 6,044 1 5	(B) 8,507 6 9	(A) 24,043 15 0	(B) 13,730 16 0	(A) 52,325 19 2	(B) 450 17 3	(A) 31,467 18 4	(B) 8,338 8 1	(A) 15,418 6 10	(B) 69,849 4 2	(A) 88,471 19 6	(B) 108,301 19 10	(Cr.) 21,746 12 2	(Cr.) 1,955 3 7	27 10 5	35,162 16 6	2,944 7 6	121,548 17 3	40,962 4 4	...	...	...	...	...
5. Dingee	(A) 7,03 6 3	(B) 1,082 11 0	(A) 3,391 10 0	(B) 2,231 7 11	(A) 7,408 15 2	(B) 13,919 12 5	(A) 82,295 16 10	(B) 4 16 8	(A) 88,471 19 6	(B) 108,301 19 10	(Cr.) 21,746 12 2	(Cr.) 1,955 3 7	27 10 5	35,162 16 6	2,944 7 6	121,548 17 3	40,962 4 4	...	...	...	...	...	...	...
6. Katandra	(A) 1,319 10 8	(B) 2,815 19 4	(A) 7,482 15 0	(B) 2,301 7 5	(A) 13,919 12 5	(B) 82,295 16 10	(A) 90,639 1 3	(B) 130,048 12 0	(A) 30,065 9 11	(B) 2,618 18 11	(A) 11,700 15 0	(B) 9,008 7 9	(A) 43,796 5 0	(B) 23,419 17 1	(A) 6,514 10 0	(B) 873 9 10	(A) 36,759 15 0	(B) 21,086 1 5	(A) 12,342 5 0	(B) 31,767 1 5	(A) 576,025 15 11	(B) 26,370 13 11
7. Maffra-Sale	(A) 9,903 2 8	(B) 3,239 7 6	(A) 71,462 5 0	(B) 10,271 14 2	(A) 69,075 15 0	(B) 11,700 15 0	(A) 13,048 12 0	(B) 30,065 9 11	(A) 86,767 19 0	(B) 8,217 7 1	(A) 951 18 1	(B) 5 14 5	(A) 12,975 1 2	(B) 72 2 11	(A) 15,475 10 3	(B) 40,962 4 4	...	...	...	...	...	...	...	...
8. Merbein	(A) 3,239 7 6	(B) 5,665 14 7	(A) 10,271 14 2	(B) 6,907 15 0	(A) 13,048 12 0	(B) 30,065 9 11	(A) 86,767 19 0	(B) 8,217 7 1	(A) 951 18 1	(B) 5 14 5	(A) 12,975 1 2	(B) 72 2 11	(A) 15,475 10 3	(B) 40,962 4 4	...	...	...	...	...	...	...	...	...	...
9. Murray Valley	(A) 8,809 10 10	(B) 6,737 8 3	(A) 11,700 15 0	(B) 9,008 7 9	(A) 43,796 5 0	(B) 23,419 17 1	(A) 6,514 10 0	(B) 873 9 10	(A) 36,759 15 0	(B) 21,086 1 5	(A) 12,342 5 0	(B) 31,767 1 5	(A) 576,025 15 11	(B) 26,370 13 11	...	...	...	...	...	...	...	...	...	...
10. North Shepparton	(A) 6,737 8 3	(B) 2,618 18 11	(A) 11,700 15 0	(B) 9,008 7 9	(A) 43,796 5 0	(B) 23,419 17 1	(A) 6,514 10 0	(B) 873 9 10	(A) 36,759 15 0	(B) 21,086 1 5	(A) 12,342 5 0	(B) 31,767 1 5	(A) 576,025 15 11	(B) 26,370 13 11	...	...	...	...	...	...	...	...	...	...
11. Rochester	(A) 13,455 2 6	(B) 6,096 14 5	(A) 6,514 10 0	(B) 873 9 10	(A) 36,759 15 0	(B) 21,086 1 5	(A) 12,342 5 0	(B) 31,767 1 5	(A) 576,025 15 11	(B) 26,370 13 11	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12. South Shepparton	(A) 1,781 5 8	(B) 10,267 13 11	(A) 36,759 15 0	(B) 21,086 1 5	(A) 12,342 5 0	(B) 31,767 1 5	(A) 576,025 15 11	(B) 26,370 13 11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13. Tongala-Stanhope	(A) 10,267 13 11	(B) 31,860 0 7	(A) 21,086 1 5	(B) 12,342 5 0	(A) 36,759 15 0	(B) 21,086 1 5	(A) 12,342 5 0	(B) 31,767 1 5	(A) 576,025 15 11	(B) 26,370 13 11	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14. Werrilbee	(A) 31,860 0 7	(B) 12,342 5 0	(A) 21,086 1 5	(B) 12,342 5 0	(A) 36,759 15 0	(B) 21,086 1 5	(A) 12,342 5 0	(B) 31,767 1 5	(A) 576,025 15 11	(B) 26,370 13 11	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	(A) 79,558 3 7	(B) 72,599 16 1	(A) 334,624 10 0	(B) 179,471 6 0	(A) 666,253 15 8	(B) 14,469 11 10	(A) 576,025 15 11	(B) 26,370 13 11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
The Districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of the maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account." (By authority of Order in Council dated 23rd June, 1959, under the provisions of Section 47, <i>Water Act 1958</i> , No. 6413.)																									
15. Boort	(A) 4,136 8 6	(B) 6,556 16 6	(A) 12,649 16 6	(B) 6,556 16 6	(A) 23,342 15 0	(B) 7 18 8	(A) 29,637 6 3	(B) 2,141 9 5	(A) 8,443 19 4	(B) 9 4 0	(A) 1,620 15 3	(B) 95,412 17 5	...	...	...	...	...	...	...	...	...	...	...	...
16. Coloma	(A) 4,173 7 1	(B) 37,010 5 0	(A) 37,010 5 0	(B) 21,470 9 7	(A) 68,749 12 7	(B) 82,688 18 9	(A) 77,690 5 5	(B) 5,029 6 0	(A) 13,939 6 2	(B) 44 6 2	(A) 567 18 11	(B) 32,395 15 9	...	...	...	...	...	...	...	...	...	...	...	...
17. Deakin	(A) 5,995 10 11	(B) 1,470 9 7	(A) 5,745 0 0	(B) 5,029 2 1	(A) 17,475 18 5	(B) 18,578 4 10	(A) 16,879 10 0	(B) 1,143 1 0	(A) 1,102 6 5	(B) 2,255 4 9	(A) 2,255 4 9	(B) 26,680 6 3	...	...	...	...	...	...	...	...	...	...	...	...
18. Fish Point	(A) 1,324 4 6	(B) 5,029 2 1	(A) 5,745 0 0	(B) 5,029 2 1	(A) 2,215 9 5	(B) 4,206 11 7	(A) 4,095 15 4	(B) 200 16 3	(A) 2,081 2 2	(B) 342 12 10	(A) 3,766 6 2	(B) 55,301 2 8	...	...	...	...	...	...	...	...	...	...	...	...
19. Kerang	(A) 1,846 2 4	(B) 1,425 16 10	(A) 1,425 16 10	(B) 9,425 16 10	(A) 23,770 14 5	(B) 43,409 3 0	(A) 39,365 2 7	(B) 4134 0 0	(A) 14,728 8 7	(B) 42 17 4	(A) 52,391 9 8	(B) 59,928 12 10	...	...	...	...	...	...	...	...	...	...	...	...
20. Koondrook	(A) 1,462 2 9	(B) 9,425 16 10	(A) 9,425 16 10	(B) 1,462 2 9	(A) 32,696 3 7	(B) 43,714 11 6	(A) 41,362 10 3	(B) 2,345 1 10	(A) 7 11	(B) 42 17 4	(A) 52,391 9 8	(B) 59,928 12 10	...	...	...	...	...	...	...	...	...	...	...	...
21. Mystic Park	(A) 2,239 4 1	(B) 18,182 0 2	(A) 18,182 0 2	(B) 2,239 4 1	(A) 3,226 6 3	(B) 6,115 7 9	(A) 5,880 9 7	(B) 234 18 2	(A) 2,889 1 6	(B) 2,112 16 8	(A) 2,112 16 8	(B) 32,255 19 3	...	...	...	...	...	...	...	...	...	...	...	...

The Districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of the maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account." (By authority of Order in Council dated 23rd June, 1959, under the provisions of Section 47, Water Act 1958, No. 6413.)

IRRIGATION AND WATER SUPPLY DISTRICTS—continued.

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1958-59—continued.

STATEMENT of Revenue Assessment (inclusive of Rate, Charge, Water Sales, Interest, Miscellaneous and Credits for Urban Water), and Expenditure and Depreciation Charged and Amounts Written Off—continued.

District.	Revenue Assessment.			Expenditure.			Profit and Loss.					Gain as at 30th June, 1959.
	(A) General Rate. (B) Drainage Rate.	(A) Irrigation Charge. (B) Sales and Miscellaneous.	Total Revenue Assessment.	(A) Operating Costs. (B) Depreciation.	Amounts Written Off.	Total.	(Dr.) Excess Expenditure over Assessment. (Cr.) Excess Assessment over Expenditure.	Revenue Due for Previous Years Written Off.	Adjustments to Revenue for Years prior to 1958-59. (A) Loss. (B) Gain.	Interest and Other Losses before 1st July, 1958, Borne by State. (Act No. 6413, S. 34.)	Loss since 30th June, 1958.	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
22. Nyah ..	{ (A) 1,015 0 0 } { (B) 1,490 11 1 }	{ (A) 21,401 5 0 } { (B) 3,291 17 3 }	27,198 13 4	{ (A) 32,071 1 4 } { (B) 2,034 4 11 }	456 4 0	34,561 10 3	(Dr.) 7,362 16 11	..	(A) 1 0 0	30,297 7 11	62,417 18 3	..
23. Red Cliffs ..	{ (A) 4,859 10 10 } { (B) 8,455 8 4 }	{ (A) 102,037 10 0 } { (B) 11,793 10 11 }	128,046 0 1	{ (A) 142,493 0 1 } { (B) 8,383 3 3 }	123 15 7	150,999 18 11	(Dr.) 22,653 18 10	..	(B) 4 10 0	11,940 8 1	260,443 7 0	..
24. Robinvale ..	{ (A) 1,356 10 8 } { (B) 2,279 11 6 }	{ (A) 44,411 10 0 } { (B) 16,507 13 2 }	61,555 5 4	{ (A) 56,839 7 4 } { (B) 7,392 6 10 }	5,926 19 6	70,158 13 8	(Dr.) 5,603 8 4	..	(B) 14 1 2	..	157,369 15 9	..
25. Rodney ..	{ (A) 35,170 19 5 } { (B) 13,302 5 9 }	{ (A) 53,226 15 0 } { (B) 46,803 1 3 }	148,503 1 5	{ (A) 126,360 0 9 } { (B) 8,790 2 5 }	12,143 5 5	147,293 8 7	(Cr.) 1,209 12 10	13,850 7 9	..	86,159 15 7	46,897 8 8	..
26. Shepparton ..	{ (A) 13,658 9 11 } { (B) 5,775 10 8 }	{ (A) 16,697 12 6 } { (B) 3,486 19 3 }	39,618 12 4	{ (A) 42,147 3 1 } { (B) 1,718 2 9 }	383 8 8	44,198 14 6	(Dr.) 4,580 2 2	331 10 0	..	60,912 11 9	65,728 16 4	..
27. Swan Hill ..	{ (A) 9,904 11 1 } { (B) 4,954 4 9 }	{ (A) 19,363 12 6 } { (B) 9,623 19 1 }	43,846 7 5	{ (A) 43,851 0 11 } { (B) 2,431 2 5 }	2,979 2 3	49,261 5 7	(Dr.) 5,414 18 2	2,680 2 5	..	6,236 10 6	116,662 17 6	..
28. Third Lake ..	{ (A) 793 13 3 } { (B) 689 10 7 }	{ (A) 1,884 15 0 } { (B) 23,799 15 0 }	3,367 18 10	{ (A) 4,038 5 2 } { (B) 50,917 0 5 }	149 12 10	4,349 6 5	(Dr.) 981 7 7	149 12 10	..	2,439 2 2	10,434 2 9	..
29. Tragowel Plains ..	{ (A) 17,404 9 1 } { (B) 867 4 5 }	{ (A) 23,799 15 0 } { (B) 11,263 17 2 }	53,335 5 8	{ (A) 50,917 0 5 } { (B) 4,782 0 7 }	114 17 10	55,814 7 10	(Dr.) 2,479 2 2	119 3 3	(B) 10 0 0	42,840 6 8	32,017 11 0	..
30. Tresco ..	{ (A) 541 2 11 } { (B) }	{ (A) 10,878 0 0 } { (B) 1,352 9 1 }	12,771 12 0	{ (A) 15,951 11 0 } { (B) 1,052 14 7 }	..	17,004 5 7	(Dr.) 4,232 13 7	18 0 0	..	65,026 4 5	89,260 15 3	..
Totals ..	{ (A) 96,042 0 10 } { (B) 56,028 18 0 }	{ (A) 388,057 10 0 } { (B) 157,591 7 3 }	697,719 16 1	{ (A) 729,498 19 2 } { (B) 51,974 8 3 }	22,857 15 8	804,321 3 1	{ (Cr.) 1,209 12 10 } { (Dr.) 3107,810 19 10 }	17,587 16 7	{ (A) 568 19 6 } { (B) 98 3 8 }	385,623 7 9	1,165,486 1 4	..
Grand Totals ..	{ (A) 175,600 4 5 } { (B) 128,628 14 1 }	{ (A) 722,082 0 0 } { (B) 337,062 13 3 }	1,363,673 11 9	{ (A) 1,308,114 15 1 } { (B) 78,245 2 2 }	37,327 7 6	1,421,687 4 9	{ (Cr.) 65,809 18 7 } { (Dr.) 123,523 11 7 }	32,316 18 1	{ (A) 578 9 0 } { (B) 341 10 3 }	672,193 3 1	1,340,127 10 11	215,450 7 5

URBAN DISTRICTS

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st May, 1906, to 30th June, 1959; also of Interest charged at the rate of 4·22916 per cent. on Capital Debts as at 30th June, 1943, and 3 per cent. on Capital Debts subsequent to 30th June, 1943, and of Redemption and Depreciation charged for Financial Year 1958-59. (State Works of Water Supply excluded.)

District.	Receipts.			Expenditure.						Accumulated.																					
	Year Ended 30th June, 1959.			Year Ended 30th June, 1959.						Total, 1906, to 30th June, 1959.																					
	£	s.	d.	Operating Costs.	Interest	Depreciation.	Redemption.	Total.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.		
1. Angli-sea	5,208	2	6	3,527	5	9	1,443	8	0	104	6	11	5,195	13	0	31,010	9	9	12	9	6	5	5,053	6	5	3,110	10	4	216	18	8
2. Antwerp	110	1	2	119	17	3	10	11	9	14	0	0	144	9	0	2,341	7	2	34	7	10	..	..	..	2	14	5	870	16	11
3. Barrow Heads	10,896	5	6	6,853	6	10	2,485	12	0	477	6	4	10,018	5	10	89,977	11	7	37	4	1	847	19	8	2,054	18	7	4,380	19	8	
4. Berriwillock	673	3	11	1,347	17	3	35	0	3	35	0	0	710	10	2	13,755	10	9	..	..	..	137	11	4	982	4	2	..	..	..
5. Beulah	1,669	3	11	3,016	8	11	123	0	0	105	0	0	1,531	12	7	30,205	1	8	..	..	..	799	8	5	2,291	7	4	..	..	..
6. Birch	3,617	12	7	60,407	5	4	253	10	8	123	0	0	2,818	4	2	62,496	17	8	..	..	..	..	..	..	764	6	7	..	..	..
7. Birregurra	1,713	4	9	11,496	11	5	554	12	4	106	9	2	1,713	4	0	10,732	4	10	..	..	..	723	6	6	3,192	2	3	1,833	11	6
8. Bittern-Crib Point	2,817	11	0	29,930	12	0	94	18	7	207	7	2	2,094	5	3	31,793	13	3	..	..	..	265	8	3	782	8	3	474	1	9
9. Bunyip	1,907	6	11	19,032	0	8	525	0	1	118	16	3	1,644	18	8	16,373	18	11	..	..	1,485	17	10	..	..	..	..	..	..	..
10. Camperdown	12,097	8	7	9,307	17	6	3,555	0	5	720	8	6	13,583	4	9	142,823	4	9	..	..	..	117	0	0	2,982	5	11	381	9	3
11. Carwarp	87,173	14	6	1,403	9	9	24,503	2	10	8	0	0	56	14	6	910,218	9	3	..	..	..	..	..	..	2,932	5	11	755	15	7
12. Chelsea-Frankston	87,324	5	9	903,962	2	11	5,886	11	6	5,886	11	6	87,324	5	9	5,789	12	3	114	2	7	..	..	..	1,023	3	5	632	5	1
13. Chillingollah	4,395	16	6	46,231	8	6	1,053	5	1	179	15	1	5,066	19	4	47,254	11	11	671	2	10	427	12	3	2,155	11	6	106	0	11	
14. Coburn	4,148	8	6	59,916	7	2	556	16	3	290	0	0	3,720	16	3	57,760	15	8	..	..	..	29	9	7	1,185	4	11	538	9	1
15. Corop	72	15	4	37	5	9	..	..	..	6	0	0	43	5	9	1,540	16	4	..	..	..	75	9	5	408	18	6	..	..	..
16. Cranbourne	2,100	10	7	1,362	15	2	481	5	7	97	9	9	2,025	11	2	22,852	11	11	..	..	..	81	13	4	49,958	9	2	..	..	..
17. Culgoora	49,642	1	5	18,103	1	10	16,772	18	0	44	0	0	561	19	7	14,209	6	8	316	2	0	1,086	16	3	40,265	18	1	..	..	..
18. Dandenong-Springvale	5,141	7	1	4,336	7	0	747	2	1	374	0	0	5,457	9	1	108,580	3	1	3,930	9	7	1,498	6	1	1,594	4	8	440	6	6	
19. Dromana-Portsea	3,010	13	8	1,948	6	5	13,850	6	1	1,174	0	0	5,049	19	0	15,787	9	5	..	..	..	1,498	6	1	2,108	2	8	602	8	1
20. Drysdale	21,021	3	0	1,956	4	5	420	3	7	120	5	6	1,923	17	5	19,807	4	10	..	..	..	375	13	5	2,198	2	8	972	14	8
21. Eildon	6,548	5	1	621	12	1	316	2	6	48	8	10	1,036	0	6	11,854	7	7	..	..	..	799	3	6	1,071	17	4	160	9	0
22. Gardfield	3,350	11	1	1,903	10	5	423	4	9	189	2	8	2,551	7	7	25,806	15	9	981	14	6	180	3	6	591	14	3	319	11	0	
23. Hastings	5,677	11	1	5,222	15	7	895	10	0	541	0	0	6,659	5	2	47,215	15	9	33	11	4	..	..	..	..	..	..	71	8	7
24. Heyfield	2,501	3	8	1,630	12	3	502	19	1	150	0	0	2,321	0	2	47,164	6	7	..	..	..	..	..	..	..	..	..	..	..	..
25. Jeparit	1,710	3	2	1,531	14	6	..	..	..	212	0	0	1,743	14	6	31,502	16	5	81	8	8	893	6	5	940	15	7	4,491	2	11
26. Koondrook	428	19	4	420	18	1	0	9	11	89	0	0	510	8	0	10,219	5	11	..	..	..	..	..	..	..	..	..	..	..	..
27. Lascelles	1,022	10	6	518	14	6	82	11	11	121	0	0	729	4	1	17,333	10	8	..	..	..	..	..	..	..	..	..	..	..	..
28. Leitchville	905	14	2	538	5	1	99	19	2	110	0	0	773	0	0	11,333	5	0	..	..	..	132	14	2	1,182	12	6	1,213	13	11
29. Lockington	2,537	3	6	993	13	11	927	8	2	24	15	9	2,152	13	4	25,858	6	3	235	10	4	..	..	..	..	..	..	..	..	..
30. Longwarry	1,128	9	3	1,213	16	4	69	3	3	81	0	0	1,363	19	7	25,397	12	8	35	4	9	..	..	..	..	..	..	..	..	..
31. Maranoa	630	19	7	4,432	18	3	87	15	4	99	0	0	666	4	4	11,323	17	10	409	9	9	..	..	..	..	..	..	..	..	..
32. Marnoo	5,399	8	2	2,005	18	9	982	19	8	593	0	0	6,008	17	11	84,615	1	6	142	5	10	..	..	..	..	..	..	..	..	..
33. Merbein	2,568	15	0	47,898	19	4	363	18	3	175	0	0	2,568	15	0	47,244	0	1	..	..	..	972	4	1	14,418	8	2	409	18	6
34. Minyip	24,989	6	7	12,799	12	1	8,374	5	0	2,183	1	11	24,017	7	6	247,678	3	9	157	3	1
35. Murrumbidgee	658	1	9	698	7	1	102	0	0	102	0	0	800	7	7	9,256	17	4	177	14	9	..	..	..	..	..	..	..	..	..
36. Nyah	1,387	15	3	1,353	1	2	217	0	10	1,738	2	0	1,738	2	0	29,608	11	5	350	6	9
37. Nyah West	5,408	8	11	4,901	6	3	122	5	9	565	12	0	5,565	12	0	100,185	12	9	157	3	1
38. Ouyen	3,532	1	10	1,995	3	8	287	8	2	3,532	1	10	3,532	1	10	45,665	17	7	279	1	1
39. Patchewollock	364	1	2	7,596	7	1	1,287	0	1	64	2	3	643	2	3	8,869	11	8	..	..	..	10	14	2	107	18	1	887	8	3
40. Piangil	631	8	7	510	14	5	579	1	3	250	14	5	620	14	5	15,475	2	7	..	..	..	944	0	6	3,185	6	1	1,538	5	6
41. Portland	4,229	8	3	2,880	16	9	152	5	1	119	0	0	3,285	7	9	34,103	18	1	..	..	..	10	2	11	1,101	15	2	6,503	3	8
42. Pyramid Hill	1,331	19	4	853	2	9	313	5	10	130	0	0	1,321	16	5	21,751	14	4
43. Queenscliff-Point Lonsdale	13,396	18	5	7,829	18	10	3,748	8	2	765	2	6	12,642	16	0	145,208	14	4	754	2	5

	9,435 14 6	7,071 12 6	2,169 15 5	598 0 0	180 16 7	..	10,020 4 6	(Dr.)	584 10 0	23 10 2	{(A) 0 4 6 (B) 31 10 0 (B) 66 8 6 (B) 1 1 9	..	..	5,682 7 5
48. Red Cliffs	2,802 5 4	1,825 10 8	585 0 2	195 0 0	48 19 10	..	2,654 10 8	(Cr.)	147 14 8	..	..	..	..	3,122 16 3
49. Robinvale	2,472 1 0	1,615 10 2	414 0 0	174 0 0	31 7 4	..	2,284 17 6	(Cr.)	237 3 6	..	..	..	..	1,395 11 0
50. Rupanup	3,011 16 2	2,545 16 9	190 8 7	145 0 0	14 16 5	28 10 0	2,924 11 9	(Cr.)	87 4 5	8 0 6	..	..	..	225 0 4
51. Sea Lake	1,337 14 10	608 4 0	393 19 2	85 1 0	29 2 6	..	1,116 6 8	(Cr.)	221 8 2	..	..	..	..	1,392 17 8
52. South Frankston	13,690 10 8	8,460 19 4	4,700 10 10	1,090 7 0	373 1 4	..	14,624 19 4	(Dr.)	934 8 8	..	..	..	..	8,798 19 4
53. Stanhope	1,641 2 10	715 11 6	369 10 6	122 0 0	30 16 9	..	1,237 18 9	(Cr.)	403 4 1	27 13 0	..	..	..	2,803 9 3
54. Tallygaropna	416 15 1	247 2 4	76 6 6	57 0 0	6 7 7	..	386 16 5	(Cr.)	29 18 8	..	..	..	..	840 11 5
55. Terang	8,178 10 5	6,421 11 5	2,219 2 4	556 4 8	162 0 0	..	9,358 18 5	(Cr.)	1,180 8 0	12 15 6	..	..	..	2,630 2 9
56. Torquay	6,264 10 1	4,298 16 9	3 3 3	120 1 2	172 9 11	..	6,653 10 5	(Dr.)	389 0 4	26 5 6	..	..	..	7,206 18 7
57. Ultima	11,999 11 9	6,988 11 11	0 10 0	71 0 0	0 0 11	..	770 2 10	(Cr.)	9 6 8	..	..	..	..	..
58. Wonthaggi	1,281 4 1	8,161 17 0	2,776 5 4	2,423 10 7	250 7 1	..	13,934 18 5	(Cr.)	1,934 18 5	1 10 0	..	..	..	601 11 3
59. Woomelang	596 14 5	608 6 11	17 3 11	48 0 0	1 10 9	..	675 1 7	(Dr.)	78 7 2	2 14 0	..	..	..	1,025 6 0
60. Woorinen	3,373 11 3	2,415 8 6	686 2 4	235 0 0	57 9 0	..	3,403 17 10	(Dr.)	90 6 7	..	..	..	..	..
61. Wycheproof	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	415,548 1 5	252,330 10 0	105,958 3 6	31,894 11 8	8,487 15 9	116 10 11	398,788 0 10	{(Dr.) 9,214 5 3 (Cr.) 25,974 5 10}	5,214 5 3	1,224 10 8	{(A) 8 2 2 (B) 1,011 0 8}	23,892 9 1	21,089 2 3	251,014 0 5
The Districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of the maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account." (By authority of Order in Council dated 23rd June, 1959, under the provisions of Section 47, of the Water Act 1958, No. 6413.)														
63. Allansford	1,258 15 7	2,103 11 2	32 6 10	25 8 7	2 1 11	..	2,163 8 6	(Dr.)	904 12 11	4 6 8	..	..	1,011 12 3	..
64. Berwick	4,750 4 1	4,817 17 10	999 12 11	360 12 2	82 0 3	..	6,280 14 5	(Dr.)	1,500 19 1	5 2 0	..	..	3,389 18 9	..
65. Brim.	473 4 9	765 18 10	13 16 11	50 0 0	0 18 8	..	293 16 3	(Dr.)	357 9 8	..	..	..	2,177 19 0	..
66. Chinkapook	223 2 10	277 16 3	..	16 0 0	..	..	158 13 11	(Dr.)	70 13 5	..	..	..	1,017 19 9	..
67. Dingee	179 15 1	115 13 11	..	43 0 0	..	..	100 8 11	(Cr.)	21 1 2	..	..	..	731 4 2	..
68. Doon	106 14 0	55 14 3	..	22 0 0	1 14 11	..	3,319 18 11	(Cr.)	6 5 1	..	..	..	..	..
69. Hopetoun	3,269 3 4	2,738 11 4	394 8 6	156 0 0	32 19 1	..	824 8 10	(Dr.)	50 15 7	..	..	..	3,514 8 9	..
70. Jung Jung	420 16 0	745 7 9	0 1 0	79 0 0	0 0 1	..	1,372 4 7	(Dr.)	403 12 10	..	..	..	5,001 17 8	..
71. Lake Boga	1,262 3 1	1,232 2 6	2 17 4	137 0 0	0 4 9	..	568 5 2	(Dr.)	110 1 6	10 15 4	..	..	1,621 19 1	..
72. Lalbert	444 3 11	489 0 11	2 17 6	106 0 0	0 6 9	..	568 5 2	(Dr.)	154 1 3	..	..	..	493 16 1	..
73. Macorna	219 0 10	203 17 0	0 2 7	41 0 0	0 0 3	..	129 19 5	(Cr.)	34 16 2	..	..	..	1,873 6 8	..
74. Meningur	196 18 9	88 16 7	..	81 0 0	..	..	458 6 11	(Dr.)	66 19 4	63 8 9	..	..	2,338 12 1	..
75. Mitiamo	450 17 2	377 6 11	..	70 0 0	..	..	471 11 0	(Dr.)	7 9 9	..	..	..	3,482 19 2	..
76. Murrabit	190 8 5	401 11 0	..	27 0 0	..	..	246 4 10	(Cr.)	15 9 1	..	..	..	41 14 0	..
77. Nandaly	261 13 11	219 2 9	0 1 11	27 0 0	0 0 2	..	1,215 6 5	(Cr.)	99 15 9	..	..	..	10,111 10 9	..
78. Nairn	1,315 2 2	913 14 10	198 11 4	90 0 0	13 0 3	..	2,635 8 4	(Dr.)	1,023 9 0	..	..	..	459 13 5	..
79. Newstead	1,611 19 4	2,313 10 6	74 11 9	242 15 0	4 11 1	..	296 18 4	(Dr.)	30 2 1	..	..	..	188 12 6	..
80. Nullaw	266 16 3	245 5 0	11 17 6	39 0 0	0 15 10	..	299 19 10	(Dr.)	58 6 6	..	..	..	129 3 6	..
81. Pimpino	241 13 4	246 19 10	..	53 0 0	..	..	1,189 4 2	(Dr.)	907 10 4	..	..	..	644 8 10	..
82. Quambatook	1,396 14 6	1,025 3 4	30 1 2	120 0 0	2 10 2	..	342 14 2	(Cr.)	76 2 7	..	..	..	238 5 11	..
83. Speed	290 19 8	289 0 0	0 0 6	78 0 0	0 0 11	..	72 2 2	(Dr.)	97 2 4	..	..	..	1,810 8 5	..
84. Tenpy	245 11 10	264 3 0	0 10 3	27 0 0	0 0 1	..	465 8 1	(Cr.)	42 5 7	..	..	..	2,794 0 0	..
85. Watchle	45 2 2	..	..	27 0 0	..	..	1,026 19 6	(Dr.)	308 4 10	..	..	..	2,105 9 5	..
86. Waipup	429 9 4	404 12 4	0 14 6	60 0 0	0 1 3	..	523 5 0	(Cr.)	59 19 5	..	..	..	1,087 18 10	..
87. Watchem	718 14 8	932 8 4	5 3 2	89 0 0	0 8 0	..	334 17 2	(Dr.)	113 18 0	..	..	..	..	..
88. Werimul	583 4 5	440 3 11	0 1 0	83 0 0	0 0 1	..	..	(Cr.)	..	..	..	..	..	..
89. Yapeet	220 19 2	262 14 7	0 2 3	72 0 0	0 0 4	..	..	(Dr.)	..	..	..	..	..	..
Totals	21,142 14 2	22,013 6 10	1,788 18 8	2,295 15 9	141 14 10	11 11 2	26,251 7 3	{(Dr.) 5,027 18 10 (Cr.) 519 5 9}	5,027 18 10	83 12 9	(B) 19 14 2	3,120 6 1	48,905 17 7	72 4 10
Grand Totals	436,690 15 7	274,343 16 10	107,747 2 2	34,190 7 5	8,620 10 7	128 11 1	425,039 8 1	{(Dr.) 14,842 4 1 (Cr.) 26,493 11 7}	14,842 4 1	1,308 3 5	{(A) 8 2 2 (B) 1,030 14 10}	27,012 15 2	69,094 19 10	251,086 5 3

FLOOD PROTECTION DISTRICTS.

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st July, 1920, to 30th June, 1959, also of Interest and Depreciation charged for the Financial Year 1958-59.

District.	Receipts.				Expenditure.				Accumulated.			
	Receipts Year Ended 30th June, 1959.	Total, 1920, to 30th June, 1959.		Year Ended 30th June, 1959.	Total.		Excess Expenditure over Receipts, 1958-59.	Excess Receipts over Expenditure, 1958-59.	Surplus Credited to District Account at 30th June, 1959.	Deficiency Chargeable to District Account at 30th June, 1959.	Deficiency Chargeable to State Account at 30th June, 1959.	
		2.	3.		Interest.	Depreciation.						
1.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	13.
1. Kanyapella	123 10 1	7,815 9 3	223 13 11	..	..	..	223 13 11	100 3 10	519 3 6	..	..	..
2. Loch Garry	366 13 1	24,297 3 3	1,215 9 11	..	..	..	1,215 9 11	848 16 10	560 14 11	..	..	..
3. Lower Koo-wee-rup	29,019 6 0	291,999 17 11	39,371 14 0	..	..	102 1 1	39,473 15 1	10,454 9 1	..	50,160 16 5	11,973 9 9	..
Total	29,509 9 2	324,112 10 5	40,810 17 10	..	..	102 1 1	40,912 18 11	11,403 9 9	1,079 18 5	50,160 16 5	11,973 9 9	..

The district set out hereunder is that whose works will not produce sufficient revenue to cover the expense of maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of this district has been transferred to the "Revenue Expenditure Chargeable to the State Account". (By authority of Order in Council, dated 23rd June, 1959, under the provisions of Section 47, Water Act 1958, No. 6413.)

4. Cardinia	12,333 10 0	137,468 13 11	12,296 15 1	..	..	20 9 11	12,317 5 0	16 5 0	..	22,959 6 8	5,031 9 9	..
Total	12,333 10 0	137,468 13 11	12,296 15 1	..	..	20 9 11	12,317 5 0	16 5 0	..	22,959 6 8	5,031 9 9	..
Grand Totals	41,842 19 2	461,581 4 4	53,107 12 11	..	..	122 11 0	53,230 3 11	11,403 9 9	1,079 18 5	73,120 3 1	17,004 19 6	..

DRAINAGE DISTRICT.

CASH ACCOUNT.

STATEMENT of Moneys received and disbursed from 1st July, 1937, to 30th June, 1959; also of Depreciation charged for Financial Year 1958-59.

District.	Receipts.				Expenditure.				Accumulated.			
	Receipts 1958-59.	Total, 1937, to 30th June, 1959.		Year Ended 30th June, 1959.	Total.		Excess Expenditure over Receipts, 1958-59.	Excess Receipts over Expenditure, 1958-59.	Surplus Credited to District Account at 30th June, 1959.	Deficiency Chargeable to District Account at 30th June, 1959.	Deficiency Chargeable to State Account at 30th June, 1959.	
		2.	3.		Operating Costs.	Depreciation.						
1.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	12.
1. Carrum	15,975 1 4	116,044 8 11	8,855 18 11	53 2 3	8,889 1 2	107,614 0 3	..	7,086 0 2	8,430 8 8	..	..	..
Total	15,975 1 4	116,044 8 11	8,855 18 11	53 2 3	8,889 1 2	107,614 0 3	..	7,086 0 2	8,430 8 8

FLOOD PROTECTION DISTRICTS

STATEMENT of Revenue Assessment (inclusive of Rates, Charge, Interest and Miscellaneous) and Expenditure, Interest and Depreciation charged, and Amounts Written Off.

District.	Expenditure.					Profit and Loss.									
	Revenue Assessment.	Operating Costs.	Interest.	Depreciation.	Amounts Written Off.	Total.	Excess Expenditure over Assessment.	Excess Assessment over Expenditure.	Revenue Due for Previous Years Written Off.	Adjustments to Revenue for Years Prior to 1958-59. (A) Loss. (B) Gain.	Interest and other Losses Before 1st July, 1938, Borne by State. (Act No. 6413, s. 84.)	Loss since 30th June, 1938.	Gain as at 30th June, 1959.		
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11	12.	13.	14.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
1. Kanyapella	119 16 10	223 13 11	..	..	..	223 13 11	103 17 1	..	..	..	..	..	533 13 1
2. Loch Garry	348 18 1	1,215 9 11	..	..	0 2 8	1,215 12 7	366 14 6	..	..	..	..	..	563 11 2
3. Lower Koo-wee-rup	29,418 7 7	25,354 14 0	..	102 1 1	26 0 0	25,482 15 1	..	3,935 12 6	22 7 6	..	7,949 1 8	37,350 15 3	..		
Totals	29,887 2 6	26,793 17 10	..	102 1 1	26 2 8	26,922 1 7	970 11 7	3,935 12 6	22 7 6	..	7,949 1 8	37,350 15 3	1,097 4 3		

The district set out hereunder is that whose works will not produce sufficient revenue to cover the expense of maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of this district has been transferred to the "Revenue Expenditure Chargeable to the State Account". (By authority of Order in Council, dated 23rd June, 1959, under the provisions of Section 47, *Water Act* 1958, No. 6413.)

DRAINAGE DISTRICT

PROFIT AND LOSS ACCOUNT FOR FINANCIAL YEAR 1958-59.

STATEMENT OF Revenue Assessment (inclusive of Rate, Interest, and Miscellaneous) and of Expenditure, Depreciation Charged and Amounts Written Off.

District.	Expenditure.					Profit and Loss.						
	Revenue Assessment.	Operating Costs.	Depreciation.	Amounts Written off.	Total.	Excess Expenditure over Assessment.	Excess Assessment over Expenditure.	Revenue Due for Previous Years Written Off.	Adjustments to Revenue for Years Prior to 1958-59. (A) Loss. (B) Gain.	Interest and Other Losses Before 1st July, 1938. Borne by State. (Act No. 6413, S. 54.)	Loss since 30th June, 1938.	Gain as at 30th June, 1959.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Carrum.	16,205 7 6	8,835 18 11	53 2 3	14 16 10	8,903 18 0	..	7,301 9 6	..	..	..	..	10,568 4 7
Total	16,205 7 6	8,835 18 11	53 2 3	14 16 10	8,903 18 0	..	7,301 9 6	..	..	..	..	10,568 4 7

SUMMARY OF CASH ACCOUNTS, 1958-59.

Works.	Receipts.			Expenditure.							(D) Excess Expenditure over Receipts, 1958-59.	Accumulated Surplus or Deficiency at 30th June, 1959.		
	Year Ended 30th June, 1959.	Total, 1956, to 30th June, 1959.	3.	Year Ended 30th June, 1959.					Total, 1956, to 30th June, 1959.	9.		10.	11.	12.
				Operating Costs.	Interest.	Depreciation.	Redemption.	Total.						
1.	2.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	{ (D) £ s. d. } { (S) £ s. d. }	{ (D) £ s. d. } { (S) £ s. d. }	{ (D) £ s. d. } { (S) £ s. d. }	{ (D) £ s. d. } { (S) £ s. d. }
Plant Workshops	54,242 4 10	335,529 16 7	36,159 18 11	568 19 4	2,672 0 0	53 4 0	39,454 2 3	354,937 16 4	{ (D) 291 10 10 } { (S) 15,079 13 5 }	{ (D) 18,834 14 0 } { (S) 426 14 3 }	..	..	..	..
Coliban System	164,248 2 2	3,020,983 3 1	166,224 3 1	12,388 1 6	19,486 13 6	..	108,008 18 1	4,317,676 11 4	{ (D) 33,957 2 2 } { (S) 106 6 3 }	{ (D) 19,737 12 6 } { (S) 48 14 8 }	1,277,004 10 5	1,277,004 10 5	1,277,004 10 5	1,277,004 10 5
Irrigation Districts—														
Pumping	327,757 0 7	4,744,935 19 9	331,375 11 2	..	23,309 1 0	..	354,684 12 2	5,618,972 9 5	{ (D) 30,295 4 11 } { (S) 3,377 13 4 }	{ (D) 228,583 13 11 } { (S) .. }	645,452 15 9	645,452 15 9	645,452 15 9	645,452 15 9
Gravitation	1,138,051 5 11	13,383,566 18 7	975,307 2 10	..	54,936 1 2	..	1,030,243 4 0	14,701,798 0 9	{ (D) 31,494 12 6 } { (S) 139,302 14 5 }	{ (D) 647,617 18 9 } { (S) 190,117 8 0 }	860,730 11 5	860,730 11 5	860,730 11 5	860,730 11 5
Waterworks Districts	401,781 0 4	7,558,206 7 2	578,477 12 5	24,988 7 7	18,502 3 8	..	621,968 3 8	11,075,065 3 3	{ (D) 224,253 9 7 } { (S) 4,066 6 3 }	{ (D) 374,755 15 9 } { (S) 71,640 15 3 }	3,814,283 15 7	3,814,283 15 7	3,814,283 15 7	3,814,283 15 7
Urban Districts	417,463 11 8	5,132,983 13 0	273,775 17 11	107,747 2 2	34,190 7 5	3,846 15 8	419,560 3 2	5,073,295 5 11	{ (D) 22,005 10 1 } { (S) 19,908 18 7 }	{ (D) 19,061 7 9 } { (S) 190,651 2 4 }	111,901 7 6	111,901 7 6	111,901 7 6	111,901 7 6
Flood Protection Districts	41,842 19 2	461,581 4 4	53,107 12 11*	..	122 11 0	..	53,230 3 11	550,626 8 6	{ (D) 11,403 9 9 } { (S) 16 5 0 }	{ (D) 73,120 3 1 } { (S) 1,079 18 5 }	17,004 19 6	17,004 19 6	17,004 19 6	17,004 19 6
Carrum Drainage District	15,975 1 4	116,044 8 11	8,835 18 11	..	53 2 3	..	8,889 1 2	107,614 0 3	{ (D) 7,086 0 2 } { (S) .. }	{ (D) 8,430 8 8 } { (S) .. }	..	..	..	..
Totals	2,561,371 6 0	34,754,831 11 5	2,423,263 18 2*	145,692 10 7	153,272 0 0	3,899 10 8	2,726,128 8 5	42,400,525 15 9	{ (D) 353,700 19 0 } { (S) 188,943 17 5 }	{ (D) 1,381,711 5 9 } { (S) 462,396 1 7 }	6,726,378 0 2	6,726,378 0 2	6,726,378 0 2	6,726,378 0 2

* Includes £14,872 Capitalized Maintenance on three bridges in Lower Koo-wee-rup Flood Protection District.

SUMMARY OF PROFIT AND LOSS ACCOUNTS FOR FINANCIAL YEAR 1958-59.

Works.	Expenditure.						Profit and Loss.				Gain as at 30th June, 1959.		
	Revenue Assessment.	Operating Costs.	Interest.	Depreciation.	Redemption.	Amounts Written Off.	Total.	Excess -- (Dr.) Expenditure, (Cr.) Assessment for Year.	Revenue Due for Previous Years Written Off.	Adjustments to Revenue Prior to 1958-59. (A) Loss. (B) Gain.		Interest and Other Losses Before 1st July, 1958, Borne by State. (Act No. 6413 8 94.)	Loss since 30th June, 1958.
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Plant Workshops ..	42,705 13 4	36,159 18 11	568 19 4	2,672 0 0	48 12 11	..	39,449 11 2	{(Dr.) 291 10 10} {(Cr.) 3,547 13 0}	..	..	..	12,216 10 5	436 14 3
Colliban System ..	170,263 16 10	166,224 3 1	12,388 1 6	19,436 13 6	733 1 10	2 12 6	198,834 12 5	{(Dr.) 28,067 19 9} {(Cr.) 97 4 2}	795 1 7	(B) 7 10 2	828,373 18 10	493,832 15 1	..
Irrigation Districts —													
Pumping ..	323,210 12 0	331,375 11 2	..	23,309 1 0	..	6,511 15 9	361,196 7 11	{(Dr.) 40,152 17 8} {(Cr.) 2,167 1 9}	18 0 0	{(A) 1 0 0} {(B) 18 11 2}	142,937 14 11	701,551 17 5	..
Gravitation ..	1,040,762 19 9	974,739 3 11	..	54,936 1 2	..	30,815 11 9	1,060,490 16 10	{(Dr.) 88,370 13 11} {(Cr.) 63,642 16 10}	32,298 18 1	{(A) 577 9 0} {(B) 322 19 1}	529,255 8 2	838,576 2 6	315,450 7 5
Waterworks Districts	436,023 9 8	578,477 12 5	24,988 7 7	18,502 3 8	1,964 10 7	9,251 1 7	633,183 15 10	{(Dr.) 200,527 4 2} {(Cr.) 3,366 18 0}	3,408 6 10	{(A) 185 14 5} {(B) 104 7 3}	677,688 8 2	3,463,949 4 0	814,853 13 0
Urban Districts ..	436,090 15 7	274,343 16 10	107,747 2 2	34,190 7 5	8,629 10 7	128 11 1	425,039 8 1	{(Dr.) 14,842 4 1} {(Cr.) 26,493 11 7}	1,308 3 5	{(A) 8 2 2} {(B) 1,030 14 10}	27,012 15 2	69,994 19 10	251,086 5 3
Flood Protection Districts ..	41,701 13 11	39,465 12 11*	..	122 11 0	..	26 2 8	39,614 6 7	{(Dr.) 1,848 5 2} {(Cr.) 3,935 12 6}	22 7 6	..	11,253 0 10	54,503 8 6	1,067 4 3
Carraun District ..	16,265 7 6	8,835 18 11	..	53 2 3	..	14 16 10	8,903 18 0	(Cr.) 7,301 9 6	..	..	..	..	10,568 4 7
Totals ..	2,507,564 8 7	2,409,621 18 2*	145,692 10 7	153,272 0 0	11,375 15 11	46,750 12 2	2,766,712 16 10	{(Dr.) 369,700 15 7} {(Cr.) 110,552 7 4}	37,850 17 5	{(A) 772 5 7} {(B) 1,484 2 6}	2,216,521 6 1	5,604,624 17 9	609,112 8 9

* Includes £375 instalment on Capitalized Maintenance of Cardinia Bridges, and £855 instalment on Capitalized Maintenance of Koo-wee-rup Bridges.

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1959.

District.	Liabilities.				Assets.							
	Capital Borne by— (A) State. (B) District.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency (Chargeable to— (A) State Account. (B) District Account.	Profit and Loss Account.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.	
											Loss since 30th June, 1938.	Interest and Other Losses before 1st July, 1938, Borne by State. (Act No. 6413, S. 54.) 13.
1.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	Gains.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
PLANT WORKSHOP.												
1. Bendigo ..	{ (A) 233,565 19 11 { (B) 17,117 11 7	519 6 6	20,894 13 8	..	18,691 13 9	..	251,202 18 0	20,894 13 8	6,618 3 7	..	12,073 10 2	
2. Kerang Sub-depot ..	{ (A) 3,612 3 3 { (B) 334 8 1	27 6 6	1,127 10 0	..	..	426 14 3	3,973 17 10	1,127 10 0	..	426 14 3	..
3. Tatura Sub-depot ..	{ (A) 2,513 8 1	..	101 5 0	..	143 0 3	..	2,513 8 1	101 5 0	..	..	143 0 3
Totals ..	{ (A) 239,691 11 3 { (B) 17,451 19 8	546 13 0	22,123 8 8	..	18,834 14 0	426 14 3	257,690 3 11	22,123 8 8	6,618 3 7	426 14 3	12,216 10 5	
£299,075 0s. 10d.												
COLIBAN SYSTEM.												
1. Axe Creek ..	{ (A) 5,051 12 9	..	..	..	{ (A) 3,311 9 6 { (B) 866 3 9	..	5,051 12 9	..	37 10 2	..	4,140 3 1
2. Coliban ..	{ (A) 2,797,500 13 9 { (B) 293,199 19 6	10,539 12 3	34,165 1 1	361 17 6	{ (A) 1,270,987 16 5 { (B) 13,729 8 9	..	3,090,700 13 3	34,165 1 1	21,210 13 6	..	452,034 2 7	
3. Elphinstone ..	{ (A) 6,790 1 6	..	347 19 9	..	{ (A) 131 12 6	..	6,790 1 6	347 19 9	37 1 8	48 14 8	45 16 2	
4. Harcourt ..	{ (A) 17,517 12 7	232 18 6	591 5 6	1 1 6	{ (A) 1,162 7 5 { (B) 5,086 3 9	..	17,750 11 1	591 5 6	82 10 0	..	6,167 2 8	
5. Marong ..	{ (A) 2,380 10 3 { (B) 21 11 7	15 11 2	895 15 7	1 4 0	{ (A) 1,411 4 7 { (B) 55 16 3	..	2,417 11 2	895 15 7	22 16 1	..	1,445 10 7	
Totals ..	{ (A) 2,829,240 10 10 { (B) 293,221 11 1	10,788 1 11	36,000 1 11	364 3 0	{ (A) 1,277,004 10 5 { (B) 19,737 12 6	..	3,122,710 9 9	36,000 1 11	21,390 11 5	48 14 8	463,832 15 1	
£4,472,356 11s. 8d.												

The districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure Chargeable to the State Account". (By authority of Order in Council, dated 23rd June, 1959, under the provisions of Section 47, *Water Act 1958*, No. 6413.)

The districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure Chargeable to the State Account". (By authority of Order in Council, dated 23rd June, 1959, under the provisions of Section 47, *Water Act* 1958, No. 6413.)

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1959.

District.	Liabilities.						Assets.					
	Capital Borne by— State.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency— Chargeable to— (A) State Account, (B) District Account.	Profit and Loss Account. (Gain).	Works at Cost.	Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	Loss since 30th June, 1958.	Interest and Other Losses before 1st July, 1958, Borne by State. (Act No. 6413, S. 54.) 13.
1.	£	£	£	£	£	£	£	£	£	£	£	£
1. Bacchus Marsh	193,404 4 5	968 9 4	2,293 11 3	76 7 7	{ (A) 21,170 8 3 (B) 4,170 16 0 }	..	194,372 13 9	2,293 11 3	1,643 17 1	..	2,612 6 6	21,170 8 3
2. Calivil ..	203,783 16 5	153 7 2	5,532 15 7	22 7 2	{ (A) 19,935 9 2 (B) 4,170 16 0 }	21,371 13 2	203,937 3 7	5,532 15 7	6,019 19 11	15,374 0 5	..	19,935 9 2
3. Campaspe ..	70,564 16 3	..	1,962 19 2	82 2 8	{ (A) 5,462 7 5 (B) 1,547 8 4 }	..	70,564 16 3	1,962 19 2	243 1 1	..	3,153 10 6	3,695 6 10
4. Central Gippsland	2,905,875 13 6	..	2,092 7 10	88 16 2	..	61,207 6 4	2,905,875 13 6	2,092 7 10	18,408 18 7	42,887 3 11	..	..
5. Dingle ..	97,097 3 10	108 0 9	2,659 10 0	64 3 5	{ (A) 4,766 11 5 (B) 2,139 17 6 }	..	97,295 4 7	2,659 10 0	1,143 1 9	..	1,040 19 2	4,766 11 5
6. Katandra ..	543,054 2 1	220 9 5	2,376 10 8	1 10 0	{ (A) 27,858 0 3 (B) 27,858 0 3 }	5,951 1 5	543,274 11 6	2,376 10 8	1,824 3 9	4,128 7 8	..	27,858 0 1
7. Maffra-Sale ..	1,774,988 10 8	2,447 15 0	24,104 12 10	214 8 2	{ (A) 5,851 0 8 (B) 75,993 1 8 }	..	1,777,436 5 8	24,104 12 10	8,045 16 11	..	70,299 12 2	3,713 1 5
8. Merbein ..	539,330 7 6	..	52,978 6 4	3 15 3	{ (A) 165,603 13 0 (B) 3,723 15 11 }	..	539,330 7 6	52,978 6 4	1,587 8 6	..	132,060 1 2	35,673 14 6
9. Murray Valley	4,132,217 9 2	186 0 0	10,949 4 3	185 0 1	..	180,609 16 10	4,132,353 9 2	10,649 4 3	75,045 6 8	105,839 10 3	..	..
10. North Shepparton	1,137,024 19 1	1,052 13 5	5,913 1 7	1 8 2	{ (A) 43,305 12 9 (B) 635 6 4 }	5,852 6 1	1,138,677 12 6	5,913 1 7	7,034 11 4	..	..	42,760 2 0
11. Rochester ..	1,238,400 0 11	3,408 12 1	80,324 7 8	129 19 3	{ (A) 35,162 16 6 (B) 2,746 2 8 }	40,368 3 7	1,241,808 13 0	30,324 7 8	18,609 17 1	21,888 5 9	..	35,162 16 6
12. South Shepparton	409,116 11 3	399 12 3	1,822 5 3	0 10 0	{ (A) 3,809 2 7 (B) 3,809 2 7 }	..	409,426 3 6	1,822 5 3	875 11 0	..	2,944 7 6	2,735 16 9
13. Tongala-Stanhope	1,066,918 15 11	2,562 12 6	7,986 16 9	9,060 3 9	{ (A) 125,504 18 6 (B) 82,659 14 9 }	..	1,069,481 8 5	7,986 16 9	22,113 1 7	..	121,548 17 3	73,622 18 2
14. Werribee ..	400,075 19 6	1,491 5 10	3,969 1 10	63 9 5	{ (A) 16,214 1 5 (B) 43,179 1 2 }	..	401,567 5 4	3,969 1 10	3,018 17 5	..	40,962 4 4	15,475 10 3
Totals	14,712,452 10 6	12,948 17 9	154,365 11 0	9,994 1 1	{ (A) 473,641 1 10 (B) 217,867 4 3 }	315,450 7 5	14,725,401 8 3	154,365 11 0	165,623 12 8	190,117 8 0	374,641 18 7	286,569 15 4

The Districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of the maintenance and management thereof, and where the water supplies are being continued by direction of the Governor in Council. The annual amount of loss resulting from the maintenance and management of these districts has been transferred to the "Revenue Expenditure chargeable to the State Account." (By authority of Order in Council dated 23rd June, 1959, under the provisions of Section 47, *Water Act 1958*, No. 6413.)

15. Boort ..	430,972 6 11	215 13 8	13,288 3 0	39 11 11	{ (A) 30,850 11 10 (B) 71,696 6 10 }	..	431,188 0 7	13,288 3 0	5,532 17 11	..	95,412 17 5	1,620 15 5
16. Colona ..	974,364 17 10	4,025 5 5	23,885 11 8	46 1 11	{ (A) 51,290 14 0 (B) 9,606 2 11 }	..	978,290 3 3	23,885 11 8	13,402 2 3	..	32,395 15 9	15,145 0 10
17. Deakin ..	196,756 3 4	506 14 4	7,328 17 1	272 0 2	{ (A) 19,592 16 2 (B) 12,490 18 4 }	..	197,262 17 8	7,328 17 1	3,420 3 8	..	26,680 6 3	2,255 4 9
18. Fish Point ..	41,087 0 11	..	1,005 2 11	0 3 10	{ (A) 24,453 6 0 (B) 654 5 10 }	..	41,087 0 11	1,005 2 11	1,349 13 8	..	21,278 14 8	2,479 7 4
19. Kerang ..	419,437 16 7	1,110 12 9	24,411 13 5	13 10 10	{ (A) 45,588 3 7 (B) 23,258 8 8 }	..	420,548 9 4	24,411 13 5	9,792 14 3	..	55,301 2 8	3,766 6 2
20. Koondrook ..	540,717 18 7	1,307 4 9	12,635 11 10	45 3 6	{ (A) 79,946 13 11 (B) 43,073 7 9 }	..	542,025 3 4	12,635 11 10	10,745 2 8	..	59,928 12 10	52,391 9 8
21. Mystic Park ..	65,012 16 4	101 8 8	1,246 7 0	0 12 0	{ (A) 14,776 5 10 (B) 22,108 18 2 }	..	65,114 5 0	1,246 7 0	2,517 0 1	..	32,255 19 3	2,112 16 8

22. Nyah ..	296,695 18 5	54 19 10	18,963 17 9	49 19 0	{ (A) 80,846 2 9 (B) 28,256 14 6 }	..	296,750 18 3	18,963 17 9	16,437 10 1	..	62,417 18 3	30,297 7 11
23. Red Cliffs ..	1,196,727 3 9	..	95,758 10 11	1 7 6	{ (A) 215,252 8 2 (B) 57,362 4 1 }	..	1,196,727 3 9	95,758 10 11	232 4 8	..	260,443 7 0	11,940 8 1
24. Robinvale ..	1,238,982 15 0	..	37,206 3 1	142 0 0	{ (A) 29,714 18 1 (B) 131,221 8 10 }	..	1,238,982 15 0	37,206 3 1	3,708 11 2	..	157,369 15 9	..
25. Rodney ..	2,637,337 18 1	2,342 14 3	57,842 10 5	10,373 5 7	{ (A) 115,738 10 4 (B) 56,421 13 8 }	..	2,639,680 12 4	57,842 10 5	49,476 5 4	..	46,897 8 8	86,159 15 7
26. Shepparton ..	1,890,476 6 10	899 3 8	13,759 4 3	299 10 2	{ (A) 63,999 6 1 (B) 65,688 7 10 }	..	1,891,375 10 6	13,759 4 3	3,345 16 0	..	65,728 16 4	60,912 11 9
27. Swan Hill ..	580,181 14 1	1,033 7 8	16,035 5 0	1,804 12 3	{ (A) 56,982 16 8 (B) 76,087 19 5 }	..	561,215 1 9	16,035 5 0	11,976 0 4	..	116,662 17 6	6,236 10 6
28. Third Lake ..	53,389 11 0	82 3 11	968 11 10	75 5 5	{ (A) 6,652 12 6 (B) 42,840 6 8 }	..	53,471 14 11	968 11 10	488 4 6	..	10,434 2 9	2,439 2 2
29. Tragowel Plains ..	877,714 13 0	1,401 1 9	20,454 0 9	17 18 10	{ (A) 45,735 8 6 (B) 134,035 13 9 }	..	879,175 14 9	20,454 0 9	12,735 16 4	..	33,017 11 0	42,840 6 8
30. Tresco... ..	149,793 3 6	..	6,097 10 10	0 0 9	{ (A) 8,019 10 7 (B) .. }	..	149,793 3 6	6,097 10 10	7,768 5 5	..	89,260 15 3	65,026 4 5
Totals ..	11,530,548 4 2	13,140 10 8	359,882 1 9	13,181 3 8	{ (A) 1,032,542 5 4 (B) 698,334 8 5 }	..	11,552,688 14 10	359,882 1 9	152,948 8 4	..	1,165,486 1 4	385,623 7 9
Grand Totals ..	26,252,000 14 8	26,089 8 5	514,247 12 9	23,175 4 9	{ (A) 1,506,183 7 2 (B) 876,201 12 8 }	315,450 7 5	26,278,080 3 1	514,247 12 9	318,572 1 0	180,117 8 0	1,540,127 19 11	672,193 3 1
							£29,513,348 7s. 10d.					
							£29,513,348 7s. 10d.					

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1959.

District.	Liabilities.						Assets.							
	Capital Borne by— (A) State. (B) District.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to— (A) State Account. (B) District Account.	Profit and Loss Account.	Works at Cost.		Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.		
							£	s. d.				£	s. d.	£
1.	2.	3.	4.	5.	6.	Gain. £.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
WATERWORKS DISTRICTS.														
1. Bellarine Peninsula	(A) 71,127 2 1	3,801 8 10	Dr. 16,514 15 9	52 7 5	{ (A) 9,927 9 8 } (B) 55,799 1 3 }	2,558 0 5	74,928 10 11	Cr. 16,514 15 9	1,245 10 11	..	..	52,605 17 9	9,927 9 8
2. East Loddon	(A) 2,301 0 10	3,281 9 1	325 17 10	5 10 0	..	..	5,582 9 11	325 17 10	693 14 2	1,869 16 3	..	..	..
3. Hindmarsh	(A) 34,565 16 7	103 4 3	4,189 10 11	..	{ (A) 2,609 3 2 } (B) 643 12 9 }	..	34,669 0 10	4,189 10 11	127 5 6	..	..	3,116 10 5	..
4. Kerang-North-West Lakes	(A) 4,330 13 2	..	210 5 1	1 17 11	{ (A) 3,738 2 0 } (B) ..	..	4,330 13 2	210 5 1	999 10 9	429 10 9	..	1,479 8 0	831 10 5
5. Mornington Peninsula	{ (A) 45,152 19 7 } (B) 611,472 10 0 }	7,363 12 7	21,136 17 9	13 6 7	(A) 1,077 12 3	69,845 3 8	662,729 8 4	21,136 17 9	15,630 3 8	55,488 0 5	..	1,077 12 3	..	
6. Newstead	(A) 4,636 6 10	..	..	..	..	592 0 6	4,636 6 10	..	..	592 0 6	..	..	..
7. Upper Wimmera United	(A) 272,171 16 11	1,093 7 5	..	48 5 3	(A) 15,196 17 1	..	273,175 4 4	..	608 3 10	1,618 15 9	..	12,966 2 8	52 0 1	
8. Waiprep West	(A) 35,351 1 7	..	Dr. 178 13 8	13 15 7	(A) 11,104 15 2	..	35,351 1 7	Cr. 178 13 8	1,148 4 2	647 9 8	..	1,125 10 0	8,197 6 11	
9. West Loddon	(A) 9,675 10 1	3,764 7 3	898 18 1	23 17 7	(B) 2,634 11 11	..	13,439 17 4	898 18 1	195 9 2	..	..	2,463 0 4	..
10. Western Wimmera	(A) 1,162,279 4 0	177 10 2	13,530 18 0	0 15 4	{ (A) 13,428 5 1 } (B) 63,591 17 4 }	..	1,162,456 14 2	13,530 18 0	6,135 7 8	..	..	57,457 5 0	13,428 5 1
11. Wimmera United	(A) 671,090 2 0	965 12 11	2,335 7 8	64 5 10	..	1,377 17 5	672,055 14 11	2,335 7 8	1,336 13 11	105 9 4	..	..	..
Totals	{ (A) 2,312,681 13 8 } (B) 611,472 10 0 }	20,460 12 6	25,934 5 11	224 1 6	{ (A) 57,073 4 5 } (B) 120,669 3 3 }	74,283 2 0	2,943,355 2 4	25,934 5 11	28,120 3 9	60,691 2 8	..	131,213 14 2	33,514 4 5	

The districts set out hereunder are those whose works will not produce sufficient revenue to cover the expense of maintenance and management thereof and, where the water supplies are being continued by direction of the Governor in Council, the annual amount of loss resulting from the maintenance and management of these districts have been transferred to the "Revenue Expenditure Chargeable to the State Account". (By authority of Order in Council, dated 23rd June, 1959, under the provisions of Section 47, *Water Act* 1958, No. 6413.)

12. Birchlip	(A) 236,904 13 8	382 17 0	993 8 11	0 14 6	{ (A) 68,852 2 4 } (B) 5,077 15 6 }	..	..	237,287 10 8	993 8 11	411 2 7	..	49,675 8 5	23,844 1 4
13. Karkaroo	(A) 656,221 10 5	..	273 6 2	11 4 9	{ (A) 217,934 14 8 } (B) 13,179 4 6 }	..	..	656,221 10 5	273 6 2	473 1 8	..	189,387 5 2	41,264 17 1
14. Loddon	(A) 5,490 5 5	4,320 17 6	99 17 5	12 18 2	{ (A) 700 1 11 } (B) 734 19 5 }	..	..	9,811 2 11	99 17 5	281 6 9	..	1,166 12 9	..
15. Long Lake	(A) 331,863 9 6	..	2,922 3 1	3 7 9	{ (A) 261,445 11 6 } (B) 29,289 10 10 }	..	..	331,863 9 6	2,922 3 1	1,434 3 8	..	267,001 0 7	22,303 5 10
16. Millewa	(A) 732,859 6 0	..	45,935 16 1	24 17 3	{ (A) 1,193 127 1 5 } (B) 20,984 6 0 }	..	..	732,859 6 0	45,935 16 1	7,586 16 9	..	1,005,342 11 11	201,206 16 0
17. Normanville	(A) 52,789 10 4	222 1 11	3,702 4 9	5 10 3	{ (A) 5,011 8 2 } (B) ..	..	..	53,011 12 3	3,702 4 9	97 2 4	..	4,920 5 1	..

DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1959.

District.	Liabilities.						Assets.					
	Capital Borne by State.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to— (A) State Account. (B) District Account.	Profit and Loss Account. Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.	
											Loss since 30th June, 1958.	Interest and Other Losses before 1st July, 1958, Borne by State. (Act No. 6413, S. 54.)
I.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Kanyapella ..	3,888 11 10	64 4 2	..	0 0 1	..	533 13 1	3,952 16 0	..	14 9 8	519 3 6	..	..
2. Loch Garry ..	18,644 19 11	..	..	0 14 7	..	563 11 2	18,644 19 11	..	3 10 10	560 14 11	..	..
3. Lower Koo-wee-up ..	609,216 4 2	..	..	16 13 6	{ (A) 11,973 9 9 (B) 50,160 16 5 }	..	609,216 4 2	..	16,851 2 9	..	37,350 15 3	7,949 1 8
Totals ..	631,749 15 11	64 4 2	..	17 8 2	{ (A) 11,973 9 9 (B) 50,160 16 5 }	1,097 4 3	631,814 0 1	..	16,869 3 3	1,079 18 5	37,350 15 3	7,949 1 8
4. Cardinia ..	122,740 3 0	..	43 1 0	0 10 0	{ (A) 5,031 9 9 (B) 22,959 6 8 }	..	122,740 3 0	43 1 0	7,534 14 0	..	17,152 13 3	3,303 19 2
Totals ..	122,740 3 0	..	43 1 0	0 10 0	{ (A) 5,031 9 9 (B) 22,959 6 8 }	..	122,740 3 0	43 1 0	7,534 14 0	..	17,152 13 3	3,303 19 2
Grand Totals ..	754,489 18 11	64 4 2	43 1 0	17 18 2	{ (A) 17,004 19 6 (B) 73,120 3 1 }	1,097 4 3	754,554 3 1	43 1 0	24,403 17 3	1,079 18 5	54,503 8 6	11,253 0 10
	£845,837 9s. 1d.						£845,837 9s. 1d.					
1. Corran ..	165,493 2 1	..	..	44 3 0	..	10,508 4 7	165,493 2 1	..	2,181 18 11	8,430 8 8	..	..
Totals ..	165,493 2 1	..	..	44 3 0	..	10,508 4 7	165,493 2 1	..	2,181 18 11	8,430 8 8	..	..
	£176,105 9s. 8d.						£176,105 9s. 8d.					

The District set out hereunder is that whose works will not produce sufficient Revenue to cover the Expense of Maintenance and Management thereof, and where the Water Supplies are being continued by direction of the Governor in Council. The Annual Amount of loss resulting from the Maintenance and management of this district has been transferred to the "Revenue Chargeable to the State Account" (by Authority of order in Council dated 23rd June, 1959 under the provisions of Section 47, Water Act 1958 No. 6413.)

DRAINAGE DISTRICT.

SUMMARY OF DISTRICT BALANCE-SHEETS AS AT 30TH JUNE, 1959.

District.	Liabilities.						Assets.							
	Capital Borne by— (A) State. (B) District.	Redemption Account.	Depreciation Reserve Account.	Sundry Creditors.	Accumulated Deficiency Chargeable to— (A) State Account. (B) District Account.	Profit and Loss Account. Gain.	Works at Cost.	Depreciation Account.	Sundry Debtors.	Accumulated Surplus Credited to District Account.	Profit and Loss Account.			
											Loss since 30th June, 1938.	Interest and Other Losses before 1st July, 1938, Borne by State. (Act No. 6413, S. 54.)		
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.		
£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Plant Workshops	{ (A) 239,691 11 3 } { (B) 17,451 19 8 }	540 13 0	22,123 8 8	...	(B) 18,834 14 0	426 14 3	257,690 3 11	22,123 8 8	6,618 3 7	426 14 3	12,216 10 5	...	...	...
Coliban System	{ (A) 2,829,240 10 10 } { (B) 203,221 11 1 }	16,788 1 11	36,000 1 11	384 3 0	{ (A) 1,277,004 10 5 } { (B) 19,737 12 6 }	...	3,122,710 9 9	36,000 1 11	21,390 11 5	48 14 8	463,832 15 1	828,373 18 10	...	...
Irrigation Districts - Pumping	(A) 3,421,529 8 2	54 19 10	211,004 8 11	197 2 6	{ (A) 645,452 15 9 } { (B) 228,583 13 11 }	...	3,421,584 8 0	211,004 8 11	29,743 19 10	...	701,551 17 5	142,637 14 11	...	...
(Gravitation)	(A) 22,830,471 6 6	26,034 8 7	303,243 3 10	22,978 2 3	{ (A) 860,730 11 5 } { (B) 647,617 18 9 }	315,450 7 5	22,856,505 15 1	303,243 3 10	288,828 1 2	190,117 8 0	838,576 2 6	529,255 8 2	...	...
Waterworks Districts	{ (A) 7,893,949 11 6 } { (B) 888,190 9 8 }	33,240 12 9	142,715 19 4	480 0 2	{ (A) 3,814,283 15 7 } { (B) 374,755 15 9 }	81,433 13 0	8,812,739 15 1	142,715 19 4	60,365 15 11	71,640 15 3	3,463,949 4 0	677,688 8 2	...	...
Urban Districts	{ (A) 3,618,010 10 0 } { (B) 3,763,978 8 0 }	72,180 0 10	256,437 2 4	482 13 3	{ (A) 111,901 7 6 } { (B) 19,061 7 9 }	251,086 5 3	7,447,745 8 2	256,437 2 4	101,296 7 1	190,651 2 4	69,994 19 10	27,012 15 2	...	...
Flood Protection Districts	(A) 754,489 18 11	64 4 2	43 1 0	17 18 2	{ (A) 17,004 19 6 } { (B) 73,120 3 1 }	1,097 4 3	754,554 3 1	43 1 0	24,403 17 3*	1,079 18 5	54,503 8 6	11,254 0 10	...	...
Drainage Districts	(A) 165,493 2 1	...	...	44 3 0	...	10,568 4 7	165,493 2 1	...	2,181 18 11	8,430 8 8	...	...	...	...
Totals	{ (A) 41,752,875 19 3 } { (B) 4,962,842 8 5 }	148,909 1 1	971,567 6 0	24,564 2 4	{ (A) 6,796,378 0 2 } { (B) 1,381,711 5 9 }	660,112 8 9	46,839,023 5 2	971,567 6 0	534,828 15 2**	462,395 1 7	5,604,024 17 9	2,216,521 6 1	...	...
							£56,628,960 11s. 9d.			£56,628,960 11s. 9d.				

* Includes Capitalized Repairs and Maintenance on Bridges—Cardinia £6,510 and Koo-wee-rup £14,017.

† Exclusive of Divisions Branch.

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS AS AT 30th JUNE, 1959.

District.	Balance at 1st July, 1958.	Amounts Paid into Account 1958-59.	Interest 1958-59.	Total.	Expenditure 1958-59.	Balance in Account at 30th June, 1959.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
IRRIGATION AND WATER SUPPLY DISTRICTS.						
Bacchus Marsh ..	1,995 13 5	248 0 0	49 17 10	2,293 11 3	..	2,293 11 3
Boort ..	12,134 0 9	2,087 3 4*	273 3 11	14,494 8 0	1,206 5 0	13,288 3 0
Calivil ..	4,475 16 10	945 0 10*	111 17 11	5,532 15 7	..	5,532 15 7
Campaspe ..	1,400 18 8	227 0 0	35 0 6	1,662 19 2	..	1,662 19 2
Central Gippsland ..	1,033 11 1	1,033 0 0*	25 16 9	2,092 7 10	..	2,092 7 10
Cohuna ..	20,064 10 0	4,404 12 8*	475 2 11	24,944 5 7	1,058 13 11	23,885 11 8
Deakin ..	6,203 2 1	1,098 13 5*	151 16 8	7,453 12 2	129 15 1	7,323 17 1
Dingee ..	2,177 1 5	428 0 0	54 8 7	2,659 10 0	..	2,659 10 0
Fish Point ..	808 18 5	176 0 0	20 4 6	1,005 2 11	..	1,005 2 11
Katandra ..	1,981 19 8	345 0 0	49 11 0	2,376 10 8	..	2,376 10 8
Kerang ..	19,963 13 4	3,949 1 10*	499 1 9	24,411 16 11	0 3 6	24,411 13 5
Koondrook ..	10,336 17 0	2,040 6 5*	258 8 5	12,635 11 10	..	12,635 11 10
Maffra-Sale ..	19,652 9 6	6,013 0 8*	441 5 2	26,106 15 4	2,002 2 6	24,104 12 10
Merbein (I. and W.S.) ..	42,149 19 5	3,665 0 0	967 12 0	46,782 11 5	3,445 18 0	43,336 13 5
Merbein (Drainage) ..	8,884 10 8	535 0 0	222 2 3	9,641 12 11	..	9,641 12 11
Murray Valley ..	9,374 3 5	1,040 13 9*	234 7 1	10,649 4 3	..	10,649 4 3
Mystic Park ..	1,014 19 6	206 0 0	25 7 6	1,246 7 0	..	1,246 7 0
North Shepparton ..	4,934 8 5	855 5 11*	123 7 3	5,913 1 7	..	5,913 1 7
Nyah (I. and W.S.) ..	18,164 10 9	1,761 0 0	371 6 7	20,299 17 4	3,311 6 3	16,988 11 1
Nyah (Drainage) ..	1,834 9 5	95 0 0	15 17 3	1,975 6 8	..	1,975 6 8
Red Cliffs (I. and W.S.) ..	74,636 6 6	6,812 0 0	1,837 12 0	83,285 18 6	1,132 8 1	82,153 10 5
Red Cliffs (Drainage) ..	12,413 13 8	881 0 0	310 6 10	13,605 0 6	..	13,605 0 6
Robinvale ..	30,757 0 0	6,775 0 0	742 4 6	38,274 4 6	1,068 1 5	37,206 3 1
Rochester ..	24,948 8 9	4,752 4 9*	623 14 2	30,324 7 8	..	30,324 7 8
Rodney ..	54,606 11 2	8,050 16 4*	1,214 8 7	63,871 16 1	6,029 5 8	57,842 10 5
Shepparton ..	11,640 2 9	1,828 1 6*	291 0 0	13,759 4 3	..	13,759 4 3
South Shepparton ..	1,462 8 2	323 5 11*	36 11 2	1,822 5 3	..	1,822 5 3
Swan Hill (I. and W.S.) ..	18,884 10 0	2,241 17 6*	178 12 1	21,304 19 7	11,353 2 7	9,951 17 0
Swan Hill (Drainage) ..	3,544 15 7	100 0 0	138 12 5	6,083 8 0	..	6,083 8 0
Third Lake ..	820 1 10	128 0 0	20 10 0	968 11 10	..	968 11 10
Tongala-Stanhope ..	8,221 14 6	1,990 19 5*	146 4 10	10,358 18 9	2,372 2 0	7,986 16 9
Tragowel Plains ..	24,378 2 11	4,466 8 9*	609 9 1	29,454 0 9	..	29,454 0 9
Treseo ..	5,065 17 11	905 0 0	126 12 11	6,097 10 10	..	6,097 10 10
Werribee ..	4,413 3 6	503 5 0*	84 10 8	5,000 19 2	1,031 17 4	3,969 1 10
Totals ..	466,378 11 0	71,213 18 0	10,796 5 1	548,388 14 1	34,141 1 4	514,247 12 9

* Direct Contributions to Depreciation Fund—Boort, £195 3s. 4d.; Calivil, £80 0s. 10d.; Central Gippsland, £33; Cohuna, £14 12s. 8d.; Deakin, £74 13s. 5d.; Kerang, £10 1s. 10d.; Koondrook, £26 6s. 5d.; Maffra-Sale, £42 0s. 8d.; Murray Valley, £262 13s. 9d.; North Shepparton, £65 3s. 11d.; Rochester, £340 4s. 9d.; Rodney, £289 16s. 4d.; Shepparton, £330 1s. 6d.; South Shepparton, £65 5s. 11d.; Swan Hill (I. and W.S.), £526 17s. 6d.; Tongala-Stanhope, £124 19s. 5d.; Tragowel Plains, £258 8s. 9d.; Werribee, £195 3s. Total, £2,934 18s.

WATERWORKS DISTRICTS.

Bellarine Peninsula ..	Cr. 17,423 4 2	1,344 0 0	Cr. 435 11 7	Cr. 16,514 15 9	..	Cr. 16,514 15 9
Birchip ..	784 16 6	189 0 0	19 12 5	993 8 11	..	993 8 11
East Loddon ..	257 9 1	62 0 0	6 8 9	325 17 10	..	325 17 10
Harcourt ..	466 12 2	113 0 0	11 13 4	591 5 6	..	591 5 6
Hindmarsh ..	3,956 10 4	139 0 0	94 0 7	4,189 10 11	..	4,189 10 11
Karkaroc ..	215 18 5	52 0 0	5 7 9	273 6 2	..	273 6 2
Kerang-North-West Lakes ..	166 2 0	40 0 0	4 3 1	210 5 1	..	210 5 1
Loddon ..	78 17 11	19 0 0	1 19 6	99 17 5	..	99 17 5
Long Lake ..	2,322 2 1	542 0 0	58 1 0	2,922 3 1	..	2,922 3 1
Millewa ..	41,641 13 2	5,442 0 0	987 13 1	48,071 6 3	2,135 10 2	45,935 16 1
Mornington Peninsula ..	19,387 4 2	1,265 0 0	484 13 9	21,136 17 9	..	21,136 17 9
Normanville ..	3,111 9 0	513 0 0	77 15 9	3,702 4 9	..	3,702 4 9
Otway ..	45,880 16 2	1,924 0 0	1,147 0 5	48,951 16 7	..	48,951 16 7
Ouyen ..	4,618 6 4	525 0 0	112 15 2	5,256 1 6	108 0 0	5,148 1 6
Sea Lake ..	784 16 6	189 0 0	19 12 5	993 8 11	..	993 8 11
Tyntynder ..	1,608 14 7	327 0 0	40 4 5	1,975 19 0	..	1,975 19 0
Tyntynder North ..	1,309 9 1	93 0 0	29 14 9	1,432 3 10	120 0 0	1,312 3 10
Tyrell ..	1,057 10 11	293 0 0	26 8 9	1,376 19 8	..	1,376 19 8
Tyrell West ..	1,478 1 8	275 0 0	36 19 1	1,790 3 9	..	1,790 3 9
Upper Western Wimmera ..	169 1 2	..	..	169 1 2	..	169 1 2
Walpeup West ..	Cr. 418 4 7	250 0 0	Cr. 10 9 1	Cr. 178 13 8	..	Cr. 178 13 8
Werribee ..	17 2 0	..	0 8 7	17 10 7	..	17 10 7
Western Wimmera ..	12,500 5 8	959 0 0	306 12 8	13,765 18 4	235 0 4	13,530 18 0
West Loddon ..	604 9 6	279 6 4*	15 2 3	898 18 1	..	898 18 1
Wimmera United ..	1,538 16 5	758 1 10*	38 9 5	2,335 7 8	..	2,335 7 8
Wycheproof ..	884 9 9	213 0 0	22 2 3	1,119 12 0	..	1,119 12 0
Totals ..	126,999 8 10	15,805 8 2	3,100 18 4	145,905 15 4	2,598 10 6	143,307 4 10

* Direct Contributions to Depreciation Fund—West Loddon, £134 6s. 4d.; Wimmera United, £9 1s. 10d. Total, £143 8s. 2d.

URBAN DISTRICTS.

Allansford ..	401 10 8	20 0 0	10 0 9	431 11 5	..	431 11 5
Angelsea ..	1,848 10 10	88 0 0	41 5 9	1,977 16 7	197 0 0	1,780 16 7
Antwerp ..	92 5 10	14 0 0	2 3 8	108 9 6	..	108 9 6
Barwon Heads and Ocean Grove ..	Cr. 1,475 19 3	443 0 0	Cr. 36 18 0	Cr. 1,069 17 3	..	Cr. 1,069 17 3
Berrivillcock ..	226 14 0	35 0 0	5 13 4	267 7 4	..	267 7 4
Berwick ..	6,083 19 6	348 0 0	82 2 0	6,514 1 6	2,800 0 0	3,714 1 6
Boulah ..	1,155 6 11	105 0 0	28 17 9	1,289 4 8	..	1,289 4 8
Birchip ..	668 11 2	123 0 0	3 18 7	795 9 9	511 7 5	284 2 4
Birregurra ..	1,092 9 3	101 0 0	27 6 3	1,220 15 6	..	1,220 15 6
Bittern-Crib Point ..	1,496 16 5	200 0 0	37 8 5	1,734 4 10	..	1,734 4 10
Brim ..	94 10 11	50 0 0	2 7 3	146 18 2	..	146 18 2
Bunyip ..	3,447 0 2	113 0 0	87 4 1	3,647 4 3	Cr. 41 2 2	3,688 6 5
Camperdown ..	15,084 14 2	638 0 0	377 2 4	16,099 16 6	..	16,099 16 6
Carwarra ..	229 5 1	8 0 0	4 10 4	241 15 5	..	241 15 5
Chelsea-Frankston ..	11,416 19 7	5,608 0 0	329 7 1	20,354 6 8	1,212 11 4	19,111 12 4
Chillingollah ..	136 18 1	16 0 0	3 8 5	156 6 6	..	156 6 6
Chinkapook ..	211 4 0	16 0 0	5 5 7	232 9 7	..	232 9 7
Cobden ..	3,650 19 6	155 0 0	91 5 6	3,897 5 0	..	3,897 5 0
Cohuna ..	2,566 11 4	290 0 0	64 3 3	2,920 14 7	..	2,920 14 7
Coliban ..	22,705 17 11	18,371 0 0	385 4 5	41,462 2 4	7,297 1 3	34,165 1 1
Corop ..	163 7 7	6 0 0	4 1 8	173 9 3	..	173 9 3
Cranbourne ..	994 13 4	93 0 0	24 17 4	1,112 10 8	..	1,112 10 8
Carried Forward ..	75,292 7 0	26,841 0 0	1,580 15 9	103,714 2 9	12,007 0 10	91,707 1 11

WATER SUPPLY WORKS DEPRECIATION ACCOUNTS AT 30TH JUNE, 1959—continued.

District.	Balance at 1st July, 1958.	Amounts Paid into Account 1958-59.	Interest 1958-59.	Total.	Expenditure 1958-59.	Balance in Account at 30th June, 1959.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
URBAN DISTRICTS—continued.						
Brought forward ..	75,292 7 0	26,841 0 0	1,580 15 9	103,714 2 9	12,007 0 10	91,707 1 11
Culgoa ..	224 5 5	44 0 0	5 12 2	273 17 7	..	273 17 7
Dandenong-Springvale ..	41,575 12 7	6,016 0 0	1,901 19 11	48,593 12 6	1,495 15 0	47,097 17 6
Dimboola ..	2,526 7 3	371 0 0	63 13 2	2,963 10 5	..	2,963 10 5
Dingee ..	388 14 10	43 0 0	9 14 5	441 9 3	..	441 9 3
Dooen ..	345 1 2	22 0 0	8 12 7	375 13 9	..	375 13 9
Dromana-Portsea ..	38,568 18 8	2,037 0 0	963 9 6	41,369 8 2	30 0 0	41,539 8 2
Drysdale ..	2,304 19 3	113 0 0	57 12 6	2,475 11 9	..	2,475 11 9
Eildon ..	2,377 7 0	1,174 0 0	59 8 8	3,610 15 8	..	3,610 15 8
Elphinstone ..	221 9 0	121 0 0	5 10 9	347 19 9	..	347 19 9
Garfield ..	2,146 14 10	45 0 0	53 13 4	2,245 8 2	..	2,245 8 2
Hastings ..	1,131 8 8	181 0 0	29 13 8	1,342 2 4	Cr. 55 16 10	1,397 19 2
Heyfield ..	3,015 17 1	541 0 0	75 7 11	3,632 5 0	..	3,632 5 0
Hopetoun ..	918 4 0	156 0 0	19 0 9	1,093 4 9	156 14 4	936 10 5
Jeparit ..	479 17 9	150 0 0	11 11 0	641 8 9	17 19 1	623 9 8
Jung Jung ..	481 4 10	79 0 0	11 0 5	571 5 3	40 6 8	530 18 7
Koondrook ..	1,011 10 0	212 0 0	25 5 9	1,248 15 9	..	1,248 15 9
Lake Boga ..	1,194 2 3	137 0 0	29 0 4	1,360 2 7	33 9 0	1,326 13 7
Lalbert ..	686 15 2	106 0 0	17 3 5	809 18 7	..	809 18 7
Lascelles ..	340 6 8	89 0 0	8 5 2	437 11 10	10 0 0	427 11 10
Leitchville ..	576 13 7	121 0 0	14 8 4	712 1 11	..	712 1 11
Lockington ..	323 1 11	110 0 0	7 15 0	440 16 11	13 0 0	427 16 11
Longwarry ..	2,464 6 0	154 0 0	62 4 3	2,680 10 3	Cr. 24 4 7	2,704 14 10
Macorna ..	340 13 6	50 0 0	8 10 4	399 3 10	..	399 3 10
Manangatang ..	368 13 10	81 0 0	2 19 10	452 13 8	249 0 0	203 13 8
Marong ..	770 10 4	106 0 0	19 5 3	895 15 7	..	895 15 7
Marnoo ..	1,509 3 2	99 0 0	27 17 10	1,636 1 0	235 6 0	1,400 15 0
Merbein ..	3,073 12 8	593 0 0	67 15 1	3,734 7 9	363 10 3	3,370 17 6
Meringur ..	240 11 7	41 0 0	6 0 3	287 11 10	..	287 11 10
Minyip ..	704 5 4	175 0 0	16 15 6	896 0 10	33 5 6	862 15 4
Mitiamo ..	182 2 11	81 0 0	Cr. 1 9 11	261 13 0	242 0 0	19 13 0
Mornington ..	2,047 13 8	2,111 0 0	13 10 2	4,172 3 10	1,507 8 1	2,664 15 9
Murrabit ..	554 17 7	70 0 0	8 5 2	633 2 9	224 12 7	408 10 2
Nandaly ..	193 0 8	27 0 0	4 16 6	224 17 2	..	224 17 2
Natimuk ..	1,036 18 11	90 0 0	25 18 6	1,152 17 5	..	1,152 17 5
Newstead ..	1,566 9 0	234 0 0	39 3 3	1,839 12 3	..	1,839 12 3
Nullawil ..	229 7 2	39 0 0	5 14 8	274 1 10	..	274 1 10
Nyah ..	819 16 2	102 0 0	20 9 11	942 6 1	..	942 6 1
Nyah West ..	2,475 19 5	168 0 0	51 9 6	2,695 8 11	416 19 1	2,278 9 10
Ouyen ..	834 5 10	542 0 0	17 9 7	1,393 15 5	135 3 8	1,258 11 9
Pakenham ..	2,809 6 3	194 0 0	69 18 2	3,073 4 5	13 0 0	3,060 4 5
Patchewollock ..	308 17 11	64 0 0	7 14 6	380 12 5	..	380 12 5
Piangil ..	572 7 9	110 0 0	14 6 2	696 13 11	..	696 13 11
Pimpinio ..	53 0 0	53 0 0	1 6 6	107 6 6	..	107 6 6
Portarlington ..	5,253 10 10	227 0 0	125 16 9	5,606 7 7	220 0 0	5,386 7 7
Pyramid Hill ..	1,108 19 1	130 0 0	27 14 6	1,266 13 7	..	1,266 13 7
Quambatook ..	1,115 12 11	120 0 0	2 7 0	1,237 19 11	1,021 10 9	216 9 2
Queenscliff-Point Lonsdale ..	4,559 7 8	714 0 0	101 14 4	5,375 2 0	490 13 8	4,884 8 4
Rainbow ..	1,535 3 1	230 0 0	31 4 0	1,796 7 1	287 2 10	1,509 4 3
Red Cliffs ..	1,755 8 9	598 0 0	43 17 9	2,397 6 6	..	2,397 6 6
Robinvale ..	1,334 11 4	195 0 0	33 7 3	1,562 18 7	..	1,562 18 7
Rupanyup ..	1,064 9 5	174 0 0	26 12 3	1,265 1 8	..	1,265 1 8
Sea Lake ..	757 7 10	145 0 0	18 18 8	921 6 6	..	921 6 6
Somerville ..	1,388 13 4	81 0 0	34 14 4	1,504 7 8	..	1,504 7 8
South Frankston ..	4,521 12 5	1,054 0 0	93 18 10	5,669 11 3	764 0 0	4,905 11 3
Speed ..	242 16 7	78 0 0	0 9 5	321 6 0	224 0 0	97 6 0
Stanhope ..	1,273 14 11	122 0 0	31 16 11	1,427 11 10	..	1,427 11 10
Tallygaroopna ..	506 18 11	57 0 0	12 13 6	576 12 5	..	576 12 5
Tempy ..	342 3 8	78 0 0	8 11 1	428 14 9	..	428 14 9
Terang ..	11,992 11 1	506 0 0	299 16 3	12,798 7 4	..	12,798 7 4
Torquay ..	2,741 0 6	97 0 0	68 10 6	2,906 11 0	..	2,906 11 0
Ultima ..	359 2 3	71 0 0	8 19 7	439 1 10	..	439 1 10
Waltchie ..	517 19 1	27 0 0	1 4 11	546 4 0	468 0 0	78 4 0
Walpeup ..	155 14 6	60 0 0	3 12 11	219 7 5	10 0 0	209 7 5
Watchem ..	809 19 0	89 0 0	15 14 4	914 13 4	181 4 11	733 8 5
Werrimull ..	331 10 11	83 0 0	8 5 9	422 16 8	..	422 16 8
Wonthaggi ..	8,185 0 6	2,350 0 0	192 12 7	10,727 13 1	479 17 10	10,247 15 3
Woomelang ..	962 14 1	122 0 0	18 7 7	1,103 1 8	227 8 7	875 13 1
Woorinen ..	601 18 10	48 0 0	14 2 0	664 0 10	..	664 0 10
Wycheproof ..	2,691 1 7	235 0 0	67 5 6	2,993 7 1	..	2,993 7 1
Yaapeet ..	457 1 9	72 0 0	11 8 7	540 10 4	..	540 10 4
Totals ..	255,853 3 5	51,659 0 0	5,852 2 7	313,364 6 0	21,518 7 3	291,845 18 9

FLOOD PROTECTION DISTRICTS.

Cardinia ..	42 0 0	..	1 1 0	43 1 0	..	43 1 0
Totals ..	42 0 0	..	1 1 0	43 1 0	..	43 1 0

SEWERAGE DISTRICT.

Eildon Sewerage ..	..	998 0 0	..	998 0 0	..	998 0 0
Totals ..	..	998 0 0	..	998 0 0	..	998 0 0

BUILDINGS.

Buildings ..	60,579 8 1	15,000 0 0	1,247 7 9	76,826 15 10	10,683 19 2	66,142 16 8
Totals ..	60,579 8 1	15,000 0 0	1,247 7 9	76,826 15 10	10,683 19 2	66,142 16 8

PLANT WORKSHOPS.

Bendigo ..	18,043 11 10	2,400 0 0	451 1 10	20,894 13 8	..	20,894 13 8
Kerang Sub-depot ..	883 8 4	222 0 0	22 1 8	1,127 10 0	..	1,127 10 0
Tatura Sub-depot ..	50 0 0	50 0 0	1 5 0	101 5 0	..	101 5 0
Totals ..	18,977 0 2	2,672 0 0	474 8 6	22,123 8 8	..	22,123 8 8
Grand Totals ..	928,829 11 6	157,348 6 2	21,472 3 3	1,107,650 0 11	68,941 18 3	1,038,708 2 8

RECONCILIATION OF WATER SUPPLY WORKS DEPRECIATION ACCOUNT WITH WATER
SUPPLY WORKS DEPRECIATION FUND (ACT 6413).

Water Supply Works Depreciation Account.				Water Supply Works Depreciation Fund (in Treasury).						
	£	s.	d.	£	s.	d.	£	s.	d.	
Balance from 1957-58				928,829	11	6	Credit Balance as at 30th June, 1958	274,589	19	8
Paid into Account, 1958-59 ..	154,270	0	0				Investments redeemed, 1958-59			
Paid by Commission direct to Fund, 1958-59	3,078	6	2				Paid by Commission direct to Fund, 1958-59	3,078	6	2
				157,348	6	2	Amount transferred to Fund by Treasury, 1958-59			
				1,086,177	17	8	Interest earned in Investment Account, 1958-59			
Interest credited 1958-59				21,472	3	3				
				1,107,650	0	11				
Less Expenditure 1958-59				68,941	18	3				
				1,038,708	2	8				

WATER SUPPLY PLANT AND MACHINERY ACCOUNT (ACT 6413).

SUMMARY OF OPERATING TRANSACTIONS FOR YEAR ENDED 30TH JUNE, 1959.

	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.
Balance as at 1st July, 1958 ..	595,094	0	5									
Amounts charged on moneys authorized for carrying out construction and maintenance of Commission works on which plant and machinery were engaged with respect to Capital Liability of £1,832,582 9s. 9d. as at 30th June, 1959												
Interest	109,905	13	10									
Redemption	5,372	12	7									
Depreciation	307,426	14	10									
Cost of Operation, Maintenance and Repairs, &c. .. .	339,769	9	11									
Transfer from Holding Charges (previous years) .. .	118,500	0	0									
				880,974	11	2						
Interest—Depreciation Fund Investment				23,082	1	9						
				1,499,150	13	4						
Interest due for year paid to Revenue No. 2 to 30th June, 1959										52,723	17	0
Redemption paid to Revenue No. 9 Miscellaneous to 30th June, 1959										4,393	13	1
Water Supply Plant and Machinery Depreciation Fund Investment in Treasury ..	425,926	14	10									
Interest on Fund Investment ..	23,082	1	9							449,008	16	7
Cost of Operation, Maintenance and Repairs, &c.										345,173	10	7
Plant and Machinery Operating Account Reserve as at 30th June, 1959										647,850	16	1
										1,499,156	13	4

WATER SUPPLY PLANT AND MACHINERY ACCOUNT (ACT 6413).
SUMMARY OF CAPITAL TRANSACTIONS FOR YEAR ENDED 30TH JUNE, 1959.

	£	s.	d.	£	s.	d.
Plant and Machinery—						
Debit Balance in Account as at 30th June, 1958	1,685,361	4	11			
Add—Purchases of Plant during year 1958–59	235,820	12	10			
				1,921,181	17	9
Deduct—						
Redemption paid to Treasury 30th June, 1959	4,393	13	1			
Repayments to State Loans Repayment Fund	91,519	14	11			
				95,913	8	0
Total Capital Liability				1,825,268	9	9

Note.—Interest paid to Treasury in respect to Capital Liability of Plant and Machinery Account—

Plant and Machinery—	£	s.	d.
Payments to 30th June, 1958	446,727	11	7
Amount due and paid for year 1958–59	52,723	17	0
	499,451	8	7

RECONCILIATION OF WATER SUPPLY PLANT AND MACHINERY DEPRECIATION ACCOUNT
WITH WATER SUPPLY PLANT AND MACHINERY DEPRECIATION FUND (ACT 6413).

<i>Water Supply Plant and Machinery Depreciation Account.</i>				<i>Water Supply Plant and Machinery Depreciation Fund (in Treasury).</i>			
	£	s.	d.		£	s.	d.
Credit Balance as at 30th June, 1958	643,561	10	4	Balance as per Treasury General Account at 30th June, 1958 ..	65,561	10	4
Add—				Payment to Fund during 1958–59	425,926	14	10
Proceeds from Hire of Plant 307,426 14 10				Interest credited by Treasury on Investments for year 1958–59 ..	23,082	1	9
Transfer from Holding Charges (previous years) 118,500 0 0					449,008	16	7
					514,570	6	11
Interest credited for year 1958–59	23,082	1	9	Less Withdrawal for replacement of plant	167,161	10	2
	449,008	16	7				
Less Expenditure for replacement of Plant	167,161	10	2	Repayment to State Loans Repayment Fund for plant sold and not replaced ..	72,664	1	10
	281,847	6	5		239,825	12	0
Repayments to State Loans Repayment Fund for plant sold and not replaced ..	72,664	1	10		274,744	14	11
	209,183	4	7		50,000	0	0
	852,744	14	11	Investments Redeemed 1958–59			
				Balance as per Treasury General Account at 30th June, 1959 ..	324,744	14	11
				Amount Invested in Treasury Investment Account ..	528,000	0	0
					852,744	14	11

STATEMENT OF REVENUE SETTING OUT ARREARS AS AT 1ST JULY, 1958, AND AS AT 30TH JUNE, 1959.

	Total.	Water Act 1958 (No. 6413), Sec. 374.		General Rate.		Irrigation Charge.		Drainage Rate.		Flood Protection Charge.		Sales of Water.		Miscellaneous.
		Consolidated Arrears.	Interest.	Rate.	Interest.	Charge.	Interest.	Rate.	Interest.	Charge.	Interest.	Sales.	Interest.	
	£	£	£	£	£	£	£	£	£	£	£	£	£	£
Arrears at 1st July, 1958	628,147	4,251	800	65,706	8,955	73,986	6,624	10,913	826	3,745	274	441,207	1,316	9,544
Assessments, 1958-59	1,845,243	..	..	937,166	..	722,682	..	144,365	..	41,030	..	..	..	..
Additional Water Sales, and Interest Charges to 30th June, 1959	779,224	..	62	..	4,814	..	4,992	..	825	..	273	537,979	3,513	226,766
Total Amount Collectable, 1958-59 ..	3,252,614	4,251	862	1,002,872	13,769	796,668	11,616	155,278	1,651	44,775	547	979,186	4,829	236,310
<i>Deduct—</i>														
(i) Revenue Collected, 1958-59 ..	2,669,745	2,370	59	895,999	4,070	707,197	3,721	120,953	555	41,137	276	663,567	2,332	227,509
(ii) Credits Absorbed	9,561	..	..	2,953	3	594	..	1,486	2	10	..	2,128	7	2,378
Balance	573,308	1,881	803	103,920	9,696	88,877	7,895	32,839	1,094	3,628	271	313,491	2,490	6,423
Add—Amounts Overpaid	31,794	..	..	15,469	26	338	9	11,028	12	24	..	1,364	13	3,511
Total—Gross Arrears at 30th June, 1959	605,102	1,881	803	119,389	9,722	89,215	7,904	43,867	1,106	3,652	271	314,855	2,503	9,934
<i>Deduct—</i> Amounts recommended for Writing off, 1958-59	86,094	40	110	40,557	381	7,873	52	30,466	67	49	..	4,737	267	1,495
Balance—Net Arrears as at 30th June, 1959	519,008	1,841	693	78,832	9,341	81,342	7,852	13,401	1,039	3,603	271	310,118	2,236	8,439

Excludes operations of Eildon Sewerage District. This Statement is subject to Audit and minor adjustments.

CAPITAL EXPENDITURE.

STATEMENT OF MONEYS EXPENDED UNDER WATER SUPPLY LOAN ACTS FOR THE YEAR ENDED
30TH JUNE, 1959.

Works.	Water Supply Loan Funds.					
	Act 6152.		Act 6460.		Total.	
	£	s. d.	£	s. d.	£	s. d.
<i>Main Supply Works, Stores, and Workshops.</i>						
Advances to State Electricity Commission for electricity supply to						
Water Supply Works	3,040	0 0	..		3,040	0 0
Bonnie Doon Township Removal	1,060	2 9	83	10 6	1,143	13 3
Bulk Store and Storeyard, South Melbourne	Cr. 6	14 4	Cr. 0	11 2	Cr. 7	5 6
Cairn Curran Reservoir	Cr. 3,879	14 7	8,217	8 0	4,337	13 5
Catternach Canal .. .. .	..		18,215	17 4	18,215	17 4
Commission Building	Cr. 3	7 4	31,116	2 10	31,112	15 6
Central Highlands Development Project .. .. .	..		16,250	0 0	16,250	0 0
East Goulburn Main Channel	245,789	0 1	252,991	14 1	498,780	14 2
Eildon Reservoir Enlargement	20,586	4 5	130,366	10 2	150,952	14 7
Eppalock Reservoir	1,317	11 6	4,503	0 5	5,820	11 11
Glenelg River Works	570	0 6	1,469	7 5	2,039	7 11
Glenmaggie Reservoir	5,073	18 4	31,825	10 6	36,899	8 10
Goulburn Weir .. .. .	..		213	6 3	213	6 3
Goulburn System Enlargement	Cr. 18,554	1 6	129,552	6 2	110,998	4 8
Hawthorn Laboratory	190	15 7	3,572	12 2	3,763	7 9
Hydraulic Experimental Station	111	19 8	589	15 8	701	15 4
Kow Swamp Works	936	1 6	3,038	8 0	3,974	9 6
Lake Corangamite Drainage Project	70,092	12 0	97,745	0 5	167,837	12 5
Loddon River Works	16	16 0	6,871	6 10	6,888	2 10
Loddon Weir .. .. .	..		6	1 5	6	1 5
Maffra Weir	28	16 0	1,476	14 8	1,505	10 8
Mountain Areas Water Supply .. .. .	..		112,000	0 0	112,000	0 0
Plant and Machinery	120,970	17 5	114,849	15 5	235,820	12 10
Pykes Creek Reservoir .. .. .	..		139	0 8	139	0 8
River Murray Agreement Works	117,000	0 0	63,000	0 0	180,000	0 0
Rocklands Outlet Channel .. .. .	..		3	2 3	3	2 3
Rocklands Storage	1,764	18 5	6,468	1 3	8,232	19 8
Stuart Murray Canal	23,391	3 0	7,391	4 4	30,782	7 4
Surveys and Investigations	32,296	8 0	127,032	14 7	159,329	2 7
Tallangatta Township Removal	Cr. 354	14 8	42,521	12 5	42,166	17 9
Toolondo Outlet Channel .. .. .	..		212	15 2	212	15 2
Torumbarry System	5,645	14 1	9,774	9 8	15,420	3 9
Tullaroop Creek Reservoir	255,500	10 2	1,152,092	4 8	1,407,592	14 10
Waranga Reservoir Enlargement	154	7 0	30	17 4	185	4 4
Waranga Western Channel	1,031	9 6	2,036	18 10	3,068	8 4
Waranga Western Channel Extension	1,179	7 0	12,117	3 9	13,296	10 9
Wimmera Main Channels	28,833	13 7	98,977	17 9	127,811	11 4
<i>Irrigation and Water Supply Districts.</i>						
Bacchus Marsh .. .. .	..		897	0 5	897	0 5
Boort	8,812	17 5	13,332	3 2	22,145	0 7
Calival	143	14 5	2,041	16 1	2,185	10 6
Campaspe	13	10 5	2,262	3 10	2,275	14 3
Central Gippsland	103,972	11 4	98,963	3 6	202,935	14 10
Cohuna	10,593	18 2	25,191	9 7	35,785	7 9
Deakin	24,475	15 9	33,065	15 1	57,541	10 10
Dingee	30	18 0	476	5 7	507	3 7
Fish Point	2	5 0	116	8 1	118	13 1
Katandra	72	17 11	6,385	15 10	6,458	13 9
Kerang	1,093	8 8	4,948	17 1	6,042	5 9
Koondrook	5,467	5 5	12,547	1 6	18,014	6 11
Maffra-Sale	14,479	11 9	55,832	4 0	70,311	15 9
Merbein	1,437	17 3	5,731	3 2	7,169	0 5
Murray Valley	47,084	1 10	136,584	2 11	183,668	4 9
Mystic Park	277	13 1	1,310	2 11	1,587	16 0
North Shepparton	23,874	18 5	17,007	7 5	40,882	5 10
Nyah	51	14 5	2,292	11 11	2,344	6 4
Red Cliffs	10,942	10 8	10,272	4 10	21,214	15 6
Robinvale	74,001	7 7	109,905	7 6	183,906	15 1
Rochester	2,389	9 3	3,942	9 11	6,331	19 2
Rodney	216,801	16 3	248,373	8 9	465,175	5 0
Shepparton	4,992	14 2	74,681	14 4	79,674	8 6
South Shepparton	2,836	9 10	21,143	7 11	23,979	17 9
Swan Hill	7,255	2 6	13,648	8 8	20,903	11 2
Third Lake	Cr. 5	8 0	32	9 7	27	1 7
Tongala-Stanhope	4,275	8 4	6,741	16 6	11,017	4 10
Tragowel Plains	3,573	5 4	11,601	9 2	15,174	14 6
Tresco	2	5 0	9,287	10 10	9,289	15 10
Werribee	11,304	18 6	1,940	9 8	13,245	8 2
Carried forward	1,494,038	12 9	3,417,308	9 6	4,911,347	2 3

CAPITAL EXPENDITURE—continued.

STATEMENT OF MONEYS EXPENDED UNDER WATER SUPPLY LOAN ACTS FOR THE YEAR ENDED
30TH JUNE, 1959—continued.

Works.	Water Supply Loan Funds.					
	Act 6152.		Act 6460.		Total.	
	£	s. d.	£	s. d.	£	s. d.
Brought forward	1,494,038	12 9	3,417,308	9 6	4,911,347	2 3
<i>Waterworks Districts.</i>						
Axe Creek	0	0 9	0	0 5	0	1 2
Bellarine Peninsula (including Headworks)	624	15 3	401	11 1	1,026	6 4
Birehip	690	0 8	424	14 5	1,114	15 1
East Loddon .. .. .	..	..	6	5 9	6	5 9
Harcourt	0	2 8	0	1 6	0	4 2
Hindmarsh	6	1 0	13	19 0	20	0 0
Karkaroc	168	4 11	310	2 7	478	7 6
Kerang-North-West Lakes	3	6 6	4	5 7	7	12 1
Loddon .. .. .	..	..	1,436	5 0	1,436	5 0
Long Lake	28	10 8	1,493	2 0	1,521	12 8
Millewa	600	17 0	1,647	9 3	2,248	6 3
Mornington Peninsula (including Headworks)	139,189	13 2	221,006	9 10	360,196	3 0
Normanville .. .. .	..	..	476	10 9	476	10 9
Otway	11,267	17 4	50,085	7 4	61,353	4 8
Ouyen	202	4 8	564	9 2	766	13 10
Sea Lake	1,023	13 9	594	13 0	1,618	6 9
Tyntynder	48	9 3	249	12 8	298	1 11
Tyntynder North	18	3 8	358	4 11	376	8 7
Tyrrell	63	6 2	512	10 7	575	16 9
Tyrrell West	41	15 7	22	1 7	63	17 2
Upper Western Wimmera	22	13 1	52	4 6	74	17 7
Upper Wimmera United	36	12 10	62	4 10	98	17 8
Walcup West	5	1 1	103	17 10	108	18 11
Werribee .. .. .	..	..	60	5 3	60	5 3
West Loddon .. .. .	..	..	16	16 2	16	16 2
Western Wimmera	2,574	17 0	7,001	11 4	9,576	8 4
Wimmera United	4,317	0 3	7,475	1 2	11,792	1 5
Wycheproof	1,200	10 3	991	10 3	2,192	0 6
Wycheitella	1,501	11 7	1,246	10 7	2,748	2 2
<i>Urban Districts.</i>						
Allansford	47	3 5	3	18 8	51	2 1
Anglesea	686	2 9	17,092	0 0	17,778	2 9
Barwon Heads and Ocean Grove	536	18 4	4,039	11 4	4,576	9 8
Berwick	10,505	19 4	1,824	2 10	12,330	2 2
Beulah	15	15 5	47	6 3	63	1 8
Birehip	292	12 4	193	18 8	486	11 0
Birregurra	Cr. 35	0 0	70	14 6	35	14 6
Bittern-Crib Point	112	18 5	113	10 7	226	9 0
Brim .. .. .	..	..	191	15 6	191	15 6
Bunyip	2	16 2	107	9 3	110	5 5
Camperdown	118	12 11	406	5 6	524	18 5
Chelsea-Frankston	9,791	18 1	30,336	8 8	40,128	6 9
Cobden	132	9 2	1,407	13 11	1,540	3 1
Cohuna .. .. .	..	..	710	6 0	710	6 0
Coliban	51,216	17 8	104,148	13 6	155,365	11 2
Cranbourne	Cr. 2	4 5	87	14 4	85	9 11
Culgoa	104	11 10	8	14 4	113	6 2
Dandenong-Springvale	12,369	13 3	11,311	10 8	23,681	3 11
Dimboola	Cr. 59	16 7	237	1 10	177	5 3
Dromana-Portsea	16,310	9 11	205,848	7 4	222,158	17 3
Drysdale	193	4 0	16	2 0	209	6 0
Elphinstone	0	1 0	0	0 8	0	1 8
Garfield	99	12 6	211	2 0	310	14 6
Hastings	670	14 5	193	19 3	864	13 8
Hopetoun	139	17 4	407	9 6	547	6 10
Jeparit .. .. .	..	..	21	10 8	21	10 8
Jung Jung	66	10 8	Cr. 6	18 5	59	12 3
Koondrook .. .. .	..	..	454	10 0	454	10 0
Lake Boga	362	2 2	560	10 6	922	12 8
Leitchville	228	10 3	537	15 9	766	6 0
Lockington	887	18 0	710	0 5	1,597	18 5
Longwarry	Cr. 172	5 7	163	6 1	Cr. 8	19 6
Macoma .. .. .	..	..	162	12 2	162	12 2
Marnoo	36	10 0	121	7 6	157	17 6
Marong	0	0 5	0	0 2	0	0 7
Merbein	30	14 9	61	17 10	92	12 7
Minyip	15	6 0	490	0 3	505	6 3
Mitiamo .. .. .	..	..	713	17 4	713	17 4
Mornington	49,455	1 9	29,992	16 0	79,447	17 9
Carried forward	1,811,835	17 6	4,126,925	11 2	5,938,761	8 8

CAPITAL EXPENDITURE—continued.

STATEMENT OF MONEYS EXPENDED UNDER WATER SUPPLY LOAN ACTS FOR THE YEAR ENDED
30TH JUNE, 1959—continued.

Works.	Water Supply Loan Funds.					
	Act 6152.		Act 6460.		Total.	
	£	s. d.	£	s. d.	£	s. d.
Brought forward	1,811,835	17 6	4,126,925	11 2	5,938,761	8 8
Nandaly	7	2 7	5	12 5	12	15 0
Nar-Nar-Goon and Tynong	490	13 4	124	3 7	614	16 11
Natimuk .. .. .	..	..	9	5 2	9	5 2
Nullawil	3	17 0	0	6 5	4	3 5
Nyah West	23	2 0	77	5 4	54	3 4
Officer	401	17 6	11,610	10 1	12,012	7 7
Ouyen	205	5 0	429	13 0	634	18 0
Pakenham	85	7 4	121	8 9	206	16 1
Piangil .. .. .	..	..	65	0 0	65	0 0
Pimpinio	182	2 7	4	15 0	186	17 7
Portarlinton	179	17 0	1,536	19 5	1,716	16 5
Pyramid Hill .. .. .	..	..	476	7 10	476	7 10
Quambatook .. .. .	..	..	80	14 9	80	14 9
Queenscliff-Point Lonsdale	487	7 0	1,267	14 3	1,755	1 3
Rainbow	148	0 6	107	2 10	255	3 4
Red Cliffs	996	18 8	346	18 8	1,343	17 4
Robinvale	86	9 1	186	14 2	273	3 3
Rupanyup	274	14 6	436	3 8	710	18 2
Somerville	80	1 4	61	6 3	141	7 7
South Frankston	15,175	8 9	27,813	10 4	42,988	19 1
Speed .. .. .	..	..	8	13 11	8	13 11
Stanhope	357	8 8	210	0 7	567	9 3
Terang	150	10 3	1,507	14 6	1,658	4 9
Torquay	879	13 0	462	1 6	1,341	14 6
Waitehe	2	0 0	0	3 4	2	3 4
Walpeup	148	8 7	23	6 5	171	15 0
Wonthaggi	63	19 9	13	10 6	77	10 3
Wycheproof	305	2 5	1,091	19 11	1,397	2 4
Yaapeet .. .. .	..	..	8	6 3	8	6 3
<i>Drainage District.</i>						
Carnum	3,160	14 6	77,675	14 3	80,836	8 9
<i>Flood Protection Districts.</i>						
Cardinia	511	17 10	3,172	8 2	3,684	6 0
Lower Koo-wee-rup	5,307	15 10	11,580	4 1	16,887	19 11
Loch Garry	17	6 5	1	8 11	18	15 4
<i>Works under General Supervision of Commission.</i>						
Waterworks Trusts and Local Governing Bodies	223,350	18 6	942,706	12 3	1,166,057	10 9
River Improvement Trusts	24,249	5 4	159,067	11 10	183,256	17 2
Latrobe Valley	67,363	9 7	263,332	17 5	330,696	7 0
Totals	2,156,486	8 4	5,632,489	16 11	7,788,976	5 3

SUMMARY.

	£	s. d.
Ordinary Loan Funds (Acts 6152 and 6460)	7,788,976	5 3
Treasurer's Advance (Waterworks Trusts and Local Governing Bodies)	113,837	7 10
	7,902,813	13 1

COUNTRY SEWERAGE AUTHORITIES.

Water Supply Loan Application Act 6152 Pt. V.—Expenditure for year ended 30th June, 1959	18,662	10 0
Water Supply Loan Application Act 6152 Pt. VI.—Expenditure for year ended 30th June, 1959	89,495	19 4
Water Supply Loan Application Act 6460 Pt. V.—Expenditure for year ended 30th June, 1959	51,951	7 3
Water Supply Loan Application Act 6460 Pt. VI.—Expenditure for year ended 30th June, 1959	250,000	0 0
Treasurer's Advance	36,586	16 5
	446,696	13 0

CAPITAL EXPENDITURE—*continued.*

CAPITAL EXPENDITURE ON WORKS OF COUNTRY WATER SUPPLY AS AT 30TH JUNE, 1959.

RECONCILIATION STATEMENTS.

(A) LOAN.

Net Loan Capital as per Annual Report.

	£	s.	d.
Total Loan Expenditure (Finance page 87.)	109,840,780	8	0
<i>Add—</i>			
Discount and Expenses Less Premiums Country Water Supply (Finance pages 87 and 88)	2,304,280	8	9
Loan Expenditure Geelong Works (Finance page 88)	441,152	1	8
Expenditure from Treasurer's Advance	113,837	7	10
	2,859,269	18	3
	112,700,050	6	3
<i>Less—</i>			
Redemption—			
State Loans Repayment Fund, &c., (Finance pages 87 and 88)	4,155,125	10	5
Paid to Consolidated Revenue (Annual Report page 111)	935,664	18	5
	5,090,790	8	10
	107,609,259	17	5
Net Loan Capital as per Annual Report	107,609,259	17	5

(B) UNEMPLOYMENT RELIEF FUNDS.

	£	s.	d.
Expenditure from Unemployment Relief Taxation Funds	314,362	0	0
Unemployment Relief Loan Funds ("Finance, 1942-43," page 140)	2,788,118	0	0
Commonwealth-State Joint Loan Fund (Winter Relief)	85,012	0	0
Commonwealth Grants (Flood Restoration)	43,558	0	0
Total expenditure in accordance with Employment Council Allocations, 6th February, 1943	3,231,050	0	0
Deduct Maintenance Expenditure	370,303	0	0
Capital Expenditure from Unemployment Relief Funds, as above	2,860,747	0	0

STATEMENT OF CAPITAL EXPENDITURE ON WORKS OF COUNTRY SEWERAGE AUTHORITIES.

	£	s.	d.
Expenditure as at 30th June, 1957, Act 5746 (Sewerage Act)	1,113,357	6	5
" " " " " 1958 Water Supply Loan Application Act	1,129,482	11	1
<i>Expenditure, 1958-59—</i>			
Act 6152	108,158	9	4
Act 6460	301,951	7	3
Treasurer's Advance	36,586	16	5
	446,696	13	0
Total as at 30th June, 1959	2,689,536	10	6
Expenditure at Debit of Authorities Act 5746 (Sewerage Act)	1,024,805	3	8
" " " " " Water Supply Loan Application Acts	1,318,932	16	11
	2,343,738	0	7
Amounts transferred by Order-in-Council to Expenditure Borne by the State Account—			
Sewerage Act	88,552	2	9
Water Supply Loan Application Acts	257,246	7	2
	345,798	9	11
	2,689,536	10	6
<i>EILDON SEWERAGE DISTRICT.</i>			
Amount transferred from Country Sewerage Authorities	103,800	0	0
Expenditure at Debit of Authorities	75,240	0	0
" Borne by State Account	28,560	0	0
	103,800	0	0

CAPITAL EXPENDITURE.

STATEMENT OF CAPITAL EXPENDITURE ON WORKS OF COUNTRY WATER SUPPLY, AS FROM THE DATE OF INCORPORATION OF THE STATE RIVERS AND WATER SUPPLY COMMISSION (1ST MAY, 1906) TO 30TH JUNE, 1959.

Year Ended 30th June.	Expenditure under Water Supply Loans Application Acts.		Capital Expenditure by Commission from Unemployment Relief Funds.		Capital Expenditure under Water Supply Loans Application Acts and from Unemployment Relief Funds.	
	During Year.		During Year.		During Year.	
	Progressive Total at Close of Year.		Progressive Total at Close of Year.		Progressive Total at Close of Year.	
	£	s. d.	£	s. d.	£	s. d.
1906			5,885,066	12 4a		5,885,066 12 4a
1907	161,346	7 4	6,046,412	19 8	161,346	7 4
1908	276,582	17 0	5,881,843	15 0b	276,582	17 0
1909	313,615	11 3	6,195,459	6 3c	313,615	11 3
1910	286,823	8 3	6,482,282	14 6	286,823	8 3
1911	311,709	7 4	6,793,992	1 10	311,709	7 4
1912	259,281	0 11	7,053,273	2 9	259,281	0 11
1913	267,560	1 11	7,320,833	4 8	267,560	1 11
1914	229,126	17 0	7,549,960	1 8	229,126	17 0
1915	304,766	9 9	7,854,726	11 5	304,766	9 9
1916	347,134	18 5	8,201,861	9 10	347,134	18 5
1917	302,893	11 7	8,504,755	1 5	302,893	11 7
1918	302,954	14 7	8,807,709	16 0	302,954	14 7
1919	412,267	8 3	9,219,977	4 3	412,267	8 3
1920	570,028	2 4	9,790,005	6 7	570,028	2 4
1921	692,658	14 1	10,482,664	0 8	692,658	14 1
1922	968,047	8 8	11,450,711	9 4	968,047	8 8
1923	1,210,484	8 9	12,661,195	18 1	1,210,484	8 9
1924	1,415,109	1 5	14,076,304	19 6	1,415,109	1 5
1925	1,471,566	4 7	15,547,871	4 1	1,471,566	4 7
1926	1,521,533	5 9	17,069,404	9 10	1,521,533	5 9
1927	1,541,900	16 9	18,611,305	6 7	1,541,900	16 9
1928	1,792,407	15 9	20,403,713	2 4	1,792,407	15 9
1929	1,516,022	14 3	21,919,735	16 7	1,516,022	14 3
1930	1,208,567	12 6	23,128,303	9 1	1,208,567	12 6
1931	696,146	5 2	23,824,449	14 3	696,146	5 2
1932	351,118	15 7	24,175,568	9 10	351,118	15 7
1933	488,072	7 9	24,663,640	17 7	488,072	7 9
1934	315,870	14 7	24,979,511	12 2	315,870	14 7
1935	260,736	3 5	25,240,247	15 7	260,736	3 5
1936	285,473	8 2	25,525,721	3 9	285,473	8 2
1937	360,791	14 10	25,886,512	18 7	360,791	14 10
1938	353,606	5 5	26,240,119	4 0	353,606	5 5
1939	582,327	3 5	26,822,446	7 5	582,327	3 5
1940	426,824	16 9	27,249,271	4 2	426,824	16 9
1941	471,369	6 11	27,720,640	11 1	471,369	6 11
1942	274,845	7 0	27,995,485	18 1	274,845	7 0
1943	75,479	2 0	28,070,965	0 1	75,479	2 0
1944	143,177	10 6	28,214,142	10 7	143,177	10 6
1945	315,729	1 0	28,529,871	11 7	315,729	1 0
1946	432,905	12 8	28,962,777	4 3	432,905	12 8
1947	1,466,121	15 3	30,428,898	19 6	1,466,121	15 3
1948	1,893,165	1 2	32,322,064	0 8	1,893,165	1 2
1949	2,251,873	9 11	34,573,937	10 7	2,251,873	9 11
1950	4,149,500	16 4	38,723,438	6 11	4,149,500	16 4
1951	7,124,902	5 7	45,848,340	12 6	7,124,902	5 7
1952	10,619,672	2 5	56,468,012	14 11	10,619,672	2 5
1953	6,919,911	3 10	63,387,923	18 9	6,919,911	3 10
1954	8,475,565	5 9	71,863,489	4 6	8,475,565	5 9
1955	9,177,831	8 6	81,041,320	13 0	9,177,831	8 6
1956	7,457,045	2 5	88,498,365	15 5	7,457,045	2 5
1957	6,593,440	19 11	95,091,806	15 4	6,593,440	19 11
1958	6,922,072	0 3	102,013,878	15 7	6,922,072	0 3
1959	7,788,976	5 3	109,802,855	0 10	7,788,976	5 3

Notes:—(a) Total expenditure from "Loans—Country Water Supply" to 30th June, 1906, as per pages 106–108, "Finance, 1905–6", £5,885,066 12s. 4d.

(b) During year ended 30th June, 1908, the Geelong Water Supply Works were sold to the Geelong Municipal Waterworks Trust. Geelong works excluded from Progressive Total, from and including year ended 30th June, 1908.

	£	s. d.
(c) Department of Water Supply	2,502,777	16 0
State Rivers and Water Supply Commission	3,602,681	10 3
Total	6,105,459	6 3

During the year ended 30th June, 1910, the Department of Water Supply was merged into the Commission, and all Water Supply Works vested in the Department or the Board of Land and Works and placed under the control of the Commission.

(d) From 1930 until 1943 grants were received and expended by the Commission from Unemployment Relief Funds. The total amount so received and expended was £3,231,050, of which £2,860,747 was spent on capital works.

SUMMARY OF CAPITAL EXPENDITURE, LOAN LIABILITY, INTEREST AND EXCHANGE.

CAPITAL EXPENDITURE, 1958-59.

	£	s.	d.	£	s.	d.
Expenditure during the year on Capital Works of Water Supply—						
Ordinary Loan Funds (Details, pages 97, 98, 99)	7,788,976	5	3

LOAN CAPITAL LIABILITY.

Net Loan Liability of State for Works of Country Water Supply at 30th June, 1959	99,060,483	7	1
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Represented by—

£ s. d.

Works at Debit of Authorities—

Commission Districts	1,945,399	8	9
Water Supply Plant and Machinery Account	..	..	..	1,825,268	9	9
Plant Workshops	..	..	..	17,451	19	8
Waterworks Trusts and Local Governing Bodies	..	..	..	7,086,315	11	2
River Improvement Trusts	..	..	..	35,162	5	4
Latrobe Valley	..	..	..	1,517,572	12	0
				15,427,161	6	8

Capital Expenditure Borne by the State—

Capital Works and Charges	..	..	..	6,120,829	13	11
State Works of Water Supply	..	..	..	1,690,950	15	11
Headworks and Distributory Works	..	..	..	79,024,221	11	10
Waterworks Trusts and Local Governing Bodies	..	..	..	4,430,897	8	1
Free Grants to Local Authorities in early years	..	..	..	142,356	4	11
River Improvement Trusts	..	..	..	772,842	16	1
				92,182,098	10	9

Net Loan Capital Liability of Commission's Districts, Divisions, and Works under Control of the Commission

107,609,259 17 5

Less Expenditure from Treasurer's Advance

113,837 7 10

Less Amount from National Debt Sinking Fund, being the difference between redemption
 recoup contributions paid by Districts, Waterworks Trusts, &c. (£935,664 18s. 5d.) and the
 amount (£9,370,604 0s. 11d.) contributed from Consolidated Revenue to the National
 Debt Sinking Fund (pages 87, 88, Finance)

8,434,939 2 6

Net Liability Country Water Supply Capital Account in Treasury

99,060,483 7 1

INTEREST AND EXCHANGE.

The Total Interest on the Loan Liability for 1958-59 is	..	..	..	..	..	4,249,174	13	10
To which is to be added—								
Exchange payable on Overseas Interest	..	..	..	..	..	128,002	17	6
Loan Conversion Expenses	..	..	..	..	..	1,770	10	0
						4,378,948	1	4

Interest Debitable to—

Works at Debit of Authorities—

Commission Districts	..	..	..	..	..	145,692	10	7
Trusts	..	..	..	..	..	227,118	10	10
Water Supply Plant and Machinery Account	..	..	..	..	..	52,723	17	0
						425,534	18	5

Capital Expenditure Borne by the State—

Capital Works and Charges	..	..	..	..	..	246,261	13	9
State Works of Water Supply	..	..	..	..	..	68,378	10	2
Headworks and Distributory Works not debited to Districts	..	..	..	..	..	3,298,293	17	10
Waterworks Trusts and Local Governing Bodies	..	..	..	..	..	204,446	10	0
Free Grants to Local Authorities in early years	..	..	..	..	..	6,259	3	8
						3,823,639	15	5

Exchange £128,002 17s. 6d. and Loan Conversion Expenses, £1,770 10s. not apportioned

4,249,174 13 10

129,773 7 6

4,378,948 1 4

LOAN CAPITAL ACCOUNTS.

WORKS UNDER CONTROL OF COMMISSION.

The following statement gives a brief description, summary of Loan Capital expenditure under Loan Application Acts, and other particulars relative to the undermentioned works:—

A.—CAPITAL WORKS AND CHARGES.

	Capital Charges Borne by Districts and Works.		Capital Charges Borne by the State Account.		Total.		Totals at 30th June, 1955.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Geelong (inclusive of Loan Flotation Expenses)	..	..	164,898	6 7	164,898	6 7		
Eppalock Reservoir..	..	..	126,077	13 5	126,077	13 5		
Goulburn Levees ..	..	..	30,797	0 4	30,797	0 4		
Torrumbarry System (excluding Weir)	..	..	244,842	2 7	244,842	2 7		
Lang Lang River Works ..	..	..	48,543	8 9	48,543	8 9		
Surveys and Preliminary Investigations	..	..	1,101,036	17 10	1,101,036	17 10		
Loan Flotation Expenses ..	..	..	2,280,299	9 4	2,280,299	9 4		
River Improvements ..	..	..	18,432	10 6	18,432	10 6		
					4,014,927	9 4		
Bulk Store and Storeyard, South Melbourne, and Dynon-road Storeyard ..	..	..	7,363	14 0	7,363	14 0		
Water Supply Stores Suspense ..	..	..	1,206,000	0 0	1,206,000	0 0		
Plant and Machinery Suspense ..	1,825,268	9 9	..	..	1,825,268	9 9		
Central Plant Workshops, Bendigo (Land, Buildings, and Services, £153,576 19s. 1d.; Equipment, £47,231 0s. 11d.; Residences, £49,875 11s. 6d.) ..	17,117	11 7	233,565	19 11	250,683	11 6		
Plant, Sub-depôts, Kerang, £3,946 11s. 4d.; Tatura, £2,513 8s. 1d.; Koo-wee-rup, £385 11s. ..	334	8 1	6,511	2 4	6,845	10 5		
Commission Buildings, "Carlisle House," £54,649 9s. 1d.; Fine Arts Building, £28,637 9s. 4d.; Hydraulic Experimental Station, Werribee, £32,542 6s. 8d., including residences; Engineering Laboratory, Hawthorn, £46,487 19s. 1d.; Irrigation branch residences, £13,760 11s. 1d.; Central Administrative Offices, Toorak, £14,625; Land Purchase, £10,833 6s. 8d. ..	..	..	201,536	1 11	201,536	1 11		
Little River Weir ..	..	..	11,257	10 5	11,257	10 5		
Tallangatta Township Removal ..	..	..	57,708	2 9	57,708	2 9		
Advances to State Electricity Commission for the Provision of Electricity Supply to Water Supply Works ..	..	..	38,385	4 7	38,385	4 7		
Lake Corangamite Drainage Project ..	..	..	343,574	8 8	343,574	8 8		
	1,842,720	9 5	2,105,902	4 7	3,948,622	14 0	7,963,550	3 4

LOAN CAPITAL ACCOUNTS—continued.

B.—STATE WORKS OF WATER SUPPLY.

CAPITAL COST OF WHICH IS CHARGEABLE TO CAPITAL EXPENDITURE BORNE BY THE STATE ACCOUNT.

Totals at 30th June,
1959

	£	s.	d.
Broken River Works.—Casey's Weir and offtake, with about 59 chains of channel to Broken Creek; (Gowangardie Weir with offtake sluice	22,682	4	5
Goulburn River Works.—Weir on the Goulburn River, about 9 miles above Murchison; channel therefrom, about 23½ miles, to Waranga Reservoir; and that Reservoir (but exclusive of the work of its enlargement)	762,962	9	10
Kerang North-West Lakes Works.—Weir on the Loddon River at its confluence with the Pyramid Creek; regulating weirs at the effluence from the Loddon of the Sheepwash and Washpen Creeks; channel from the Washpen Creek regulator to Reedy Lake, Middle Lake, Third Lake, Lake Charm, Racecourse Lake, Cullen's Lake, Kangaroo Lake, and Lake Tutchewop, and to the Little Murray River, with water storage works at these lakes	26,671	12	10
Kow Swamp Works.—Intake from the River Murray with regulator, at the effluence of the Gunbower Creek; channel thence to the Kow Swamp Reservoir; and that Reservoir; channel along the northern side of the reservoir; channel from the outlet of the reservoir, about 23½ miles, to the left bank of the Loddon River	234,486	13	5
Lake Lonsdale Reservoir.—Reservoir at Lake Lonsdale, on the Little Wimmera River, near Ledcourt	50,207	16	1
Loddon River Works.—Laanecoorie Weir, on the Loddon; Bridgewater Weir, on the Loddon; Kinypaniel Weir, on the Loddon	197,970	8	8
Long Lake Pumping Works.—Inlet to Lake Baker, from the Little Murray River; water storage works at Lake Baker and Long Lake, with channel connecting these lakes; pumping plant at Long Lake, with rising main thence about 7 miles to allotment 10M, parish of Kooem; system of main distributary channels, about 85 miles in length	27,305	18	5
Lower Wimmera Compensation Works.—Drung Drung Weir, on the Wimmera, near allotment 29, parish of Longerenong; Dimboola Weir, on the Wimmera, near Dimboola township	8,063	12	3
Mountain Areas Water Supply.—Part cost of a water supply to mountain Areas, provided from the works of the Melbourne and Metropolitan Board of Works	363,000	0	0
Brought forward	1,690,950	15	11

LOAN CAPITAL ACCOUNTS—continued.

Totals at 30th June, 1959.

£ s. d.
47,165,538 3 1

Brought forward

Name of District.	Loan Capital Expenditure.						Allotted to District.		Capital Expenditure borne by the State Account.								
	Headworks.			Distributory Works.					Headworks.			Distributory Works.			Total.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.		
1. Bacchus Marsh	83,718	11	3	109,685	13	6	..	..	83,718	11	3	109,685	13	2	193,404	4	5
2. Boort	212,130	9	2	218,841	17	9	..	..	212,130	9	2	218,841	17	9	430,972	6	11
3. Calivil	81,229	10	11	122,554	5	6	..	..	81,229	10	11	122,554	5	6	203,783	16	5
4. Campaspe	5,001	1	9	65,563	14	6	..	..	5,001	1	9	65,563	14	6	70,564	16	3
5. Central Gippsland (under construction)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Cohuna	500,500	8	1	2,905,875	13	6	..	..	500,500	8	1	2,905,875	13	6	2,905,875	13	6
7. Deakin	36,703	8	11	473,764	9	9	..	..	36,703	8	11	473,764	9	9	974,264	17	10
8. Dimboola	57,954	4	3	130,052	14	5	..	..	57,954	4	3	130,052	14	5	166,756	3	4
9. Fish Point	21,707	0	0	39,142	19	7	..	..	21,707	0	0	39,142	19	7	97,097	3	10
10. Katandra	409,414	18	6	133,639	3	7	..	..	409,414	18	6	133,639	3	7	543,054	2	1
11. Kerang	251,516	0	0	167,921	16	7	..	..	251,516	0	0	167,921	16	7	419,437	16	7
12. Koondrook	247,864	0	0	292,853	18	7	..	..	247,864	0	0	292,853	18	7	540,717	18	7
13. Maffra-Sale	686,638	14	11	1,088,349	15	9	..	..	686,638	14	11	1,088,349	15	9	1,774,988	10	8
14. Merbein	195,760	0	0	343,570	7	6	..	..	195,760	0	0	343,570	7	6	539,330	7	6
15. Murray Valley	897,294	4	6	3,234,923	4	8	..	..	897,294	4	6	3,234,923	4	8	4,132,217	9	2
16. Mystic Park	39,419	19	8	25,592	16	8	..	..	39,419	19	8	25,592	16	8	65,012	16	4
17. North Shepparton	864,141	15	1	273,483	1	0	..	..	864,141	15	1	273,483	1	0	1,137,624	19	1
18. Nyah	74,857	0	0	221,838	18	5	..	..	74,857	0	0	221,838	18	5	296,695	18	5
19. Red Cliffs	283,152	0	0	913,575	3	9	..	..	283,152	0	0	913,575	3	9	1,196,727	3	9
20. Robinvale (under construction)	..	..	..	1,238,982	15	0	..	..	..	..	..	1,238,982	15	0	1,238,982	15	0
21. Rochester	841,102	0	3	397,298	0	8	..	..	841,102	0	3	397,298	0	8	1,238,400	0	11
22. Rodney	904,212	10	4	1,733,125	7	9	..	..	904,212	10	4	1,733,125	7	9	2,637,337	18	1
23. Shepparton	1,568,160	17	11	322,315	8	11	..	..	1,568,160	17	11	322,315	8	11	1,890,476	6	10
24. South Shepparton	321,553	3	3	87,563	8	0	..	..	321,553	3	3	87,563	8	0	409,116	11	3
25. Swan Hill	294,033	15	4	266,147	18	9	..	..	294,033	15	4	266,147	18	9	560,181	14	1
26. Third Lake	25,637	0	0	27,752	11	0	..	..	25,637	0	0	27,752	11	0	53,389	11	0
27. Tongala-Stanhope	641,332	6	9	425,586	9	2	..	..	641,332	6	9	425,586	9	2	1,066,918	15	11
28. Tragowel Plains	504,948	15	0	372,765	18	0	..	..	504,948	15	0	372,765	18	0	877,714	13	0
29. Tresco	25,960	0	0	123,833	3	6	..	..	25,960	0	0	123,833	3	6	149,793	3	6
30. Werribee	183,390	16	9	216,685	2	9	..	..	183,390	16	9	216,685	2	9	400,075	19	6
Totals	10,259,334	12	7	15,992,666	2	1	..	..	10,259,334	12	7	15,992,666	2	1	26,252,000	14	8
															26,252,000	14	8

LOAN CAPITAL ACCOUNTS—continued.

Totals at 30th June, 1959.

£ s. d.
82,222,248 4 3

Brought forward

Name of District.	Loan Capital Expenditure.						Capital Expenditure borne by the State Account.											
	Headworks.			Distributory Works.			Headworks.			Distributory Works.								
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.						
Brought forward	248,824	5	2	215,898	2	9	464,722	7	11	264,507	10	11	69,763	6	1	200,214	17	0
13. Camperdown	46,409	0	0	60,019	0	5	106,488	0	5	105,963	2	0	524	18	5	524	18	5
14. Carwarp	..	..	..	635	19	0	635	19	0	..	..	..	635	19	0	635	19	0
15. Chelsea-Frankston	1,639,406	17	10	457,162	5	2	2,096,569	3	0	854,615	3	9	39,901	16	0	1,241,953	19	3
16. Chillingollah	..	..	..	2,482	1	3	2,482	1	3	..	..	..	2,482	1	3	2,482	1	3
17. Chinkapook	..	..	..	2,944	10	1	2,944	10	1	..	..	..	2,944	10	1	2,944	10	1
18. Cobden	9,213	0	0	22,701	6	7	31,914	6	7	30,374	3	6	1,540	3	1	1,540	3	1
19. Cohuna	..	..	..	18,454	5	1	18,454	5	1	17,743	19	1	..	..	..	710	6	0
20. Coliban	..	..	..	3,090,700	13	3	3,090,700	13	3	293,199	19	6	..	..	..	2,797,500	13	9
21. Corop	..	..	..	231	15	6	231	15	6	..	..	..	231	15	6	231	15	6
22. Cranbourne	20,840	5	7	5,199	2	7	26,039	8	2	25,276	14	8	677	3	7	85	9	11
23. Culgoa	..	..	..	4,620	11	2	4,620	11	2	4,537	5	0	..	..	..	762	13	6
24. Dandenong-Springvale	939,184	10	6	83,346	3	6	1,022,530	14	0	502,955	8	4	434,886	9	7	83	6	2
25. Dimboola	..	..	..	20,836	14	1	20,836	14	1	20,659	8	10	..	..	..	519,575	5	8
26. Dingee	..	..	..	1,859	11	9	1,859	11	9	..	..	..	..	..	..	177	5	3
27. Doon	..	..	..	690	19	4	690	19	4	690	19	4	..	..	..	1,859	11	9
28. Dromana-Portsea	870,930	13	4	418,772	1	8	1,289,702	15	0	489,077	1	3	578,477	16	6	222,147	17	3
29. Drysdale	22,819	14	11	9,536	0	2	32,355	15	1	22,970	17	10	9,175	11	3	209	6	0
30. Eildon	..	..	..	79,620	13	0	79,620	13	0	52,620	13	0	..	..	..	27,000	0	0
31. Elphinstone	..	..	..	6,790	1	6	6,790	1	6	..	..	..	..	..	..	6,790	1	6
32. Garfield	10,095	3	3	2,070	12	1	12,165	15	4	11,755	5	2	99	15	8	310	14	6
33. Garvoc (under construction)	..	..	..	51	4	8	51	4	8	..	..	..	..	..	..	410	10	2
34. Hastings	46,265	13	1	13,569	19	3	59,835	12	4	16,249	4	8	42,907	8	8	51	4	8
35. Heyfield	..	..	..	50,463	4	1	50,463	4	1	39,850	0	0	..	..	..	678	19	0
36. Hopetoun	..	..	..	13,660	8	6	13,660	8	6	13,147	11	8	..	..	..	10,613	4	1
37. Jeparit	..	..	..	14,542	4	1	14,542	4	1	14,520	13	5	..	..	..	512	16	10
38. Jung Jung	..	..	..	5,109	19	3	5,109	19	3	..	..	..	..	..	..	21	10	8
39. Koondrook	..	..	..	7,468	4	8	7,468	4	8	..	..	..	..	..	..	5,108	6	9
40. Lake Boga	..	..	..	7,839	5	1	7,839	5	1	95	11	3	..	..	..	7,468	4	8
41. Lalbert	..	..	..	5,146	11	5	5,146	11	5	95	17	10	..	..	..	7,743	13	10
42. Lascelles	..	..	..	4,504	5	2	4,504	5	2	16	10	2	..	..	..	5,050	13	7
43. Leitchville	..	..	..	6,265	13	7	6,265	13	7	5,499	7	7	..	..	..	4,487	15	0
44. Lockington	..	..	..	5,042	15	7	5,042	15	7	3,444	17	2	..	..	..	766	6	0
45. Longwarry	25,129	12	6	7,288	13	10	32,418	6	4	32,221	7	9	205	16	1	1,597	18	5
46. Macorna	..	..	..	1,716	19	1	1,716	19	1	..	..	..	..	..	..	8	17	6
47. Manangatang	..	..	..	9,787	7	11	9,787	7	11	1,635	6	3	..	..	..	1,716	19	1
48. Marnoo	..	..	..	4,312	1	0	4,312	1	0	2,391	3	11	..	..	..	8,152	1	8
49. Marong	..	..	..	2,402	1	10	2,402	1	10	21	11	7	..	..	..	1,920	17	1
50. Merbein	..	..	..	31,419	14	4	31,419	14	4	31,327	1	9	..	..	..	2,380	10	3
51. Meningur	..	..	..	4,390	14	6	4,390	14	6	4	6	8	..	..	..	92	12	7
52. Minyip	..	..	..	11,439	1	8	11,439	1	8	10,933	15	5	..	..	..	4,386	7	10

53. Mitiamo ..	136,071	12	1	3,734	11	10	3,734	11	10	3,734	11	10
54. Mornington ..	..	..	..	217,642	12	11	653,714	5	3	79,248	0	3
55. Murabit ..	..	..	..	1,334	7	2	1,334	7	2	1,334	7	2
56. Nandaly ..	..	..	..	2,667	8	6	2,667	8	6	2,664	3	8
57. Nar-Nar-Goon and Tynong ..	..	..	..	..	..	..	..	..	..	..	..	..
58. Narre Warren (under construction) ..	..	..	..	874	4	3	874	4	3	874	4	3
59. Natinuk ..	..	..	..	61	12	0	61	12	0	61	12	0
60. Newstead ..	..	..	..	5,395	3	7	5,395	3	7	389	13	11
61. Nullawil ..	..	..	..	11,829	4	5	11,829	4	5	10,065	10	7
62. Nyah ..	..	..	..	3,951	14	8	3,951	14	8	3,670	18	2
63. Nyah West ..	..	..	..	1,391	10	9	1,391	10	9	1,391	10	9
64. Officer ..	..	..	..	7,292	13	9	7,292	13	9	54	3	4
65. Ouyen ..	..	..	..	12,012	7	7	12,012	7	7	12,012	7	7
66. Pakenham ..	36,045	11	9	30,107	3	1	30,107	3	1	26,052	19	11
67. Patchewollock ..	..	..	..	52,872	5	5	52,872	5	5	810	8	9
68. Pianigil ..	..	..	..	4,358	4	2	4,358	4	2	1,356	11	8
69. Pimpinio ..	..	..	..	8,206	9	11	8,206	9	11	8,206	9	11
70. Portarlington ..	..	..	..	7,235	2	11	7,235	2	11	7,235	2	11
71. Pyramid Hill ..	33,732	15	1	21,392	12	9	21,392	12	9	11,405	6	8
72. Quambatook ..	..	..	..	10,622	6	4	10,622	6	4	436	7	10
73. Queenscliff-Point Lonsdale ..	..	..	..	5,172	2	1	5,172	2	1	1,177	12	10
74. Rainbow ..	85,656	14	6	62,210	13	10	62,210	13	10	1,755	1	3
75. Red Cliffs ..	..	..	..	14,183	19	8	14,183	19	8	249	3	4
76. Robinvale ..	..	..	..	85,852	13	9	85,852	13	9	1,193	17	4
77. Rupanyup ..	..	..	..	21,427	15	9	21,427	15	9	273	3	3
78. Sea Lake ..	..	..	..	12,940	18	3	12,940	18	3	710	18	2
79. Somerville ..	21,274	2	0	10,017	16	1	10,017	16	1	..	..	..
80. South Frankston ..	166,998	9	7	26,037	1	4	26,037	1	4	131	7	7
81. Speed ..	..	..	..	334,343	15	6	334,343	15	6	42,966	19	1
82. Stanhope ..	..	..	..	2,921	18	7	2,921	18	7	2,921	0	10
83. Tallygaroopna ..	..	..	..	14,752	11	2	14,752	11	2	567	9	3
84. Tempy ..	..	..	..	4,089	10	7	4,089	10	7	2,727	6	5
85. Terang ..	32,322	0	0	2,744	9	0	2,744	9	0	1,658	4	9
86. Torquay ..	54,899	13	6	32,336	13	0	32,336	13	0	1,341	14	6
87. Ultima ..	..	..	..	35,614	19	6	35,614	19	6	11,510	14	2
88. Waitchie ..	..	..	..	11,527	7	8	11,527	7	8	2,522	17	8
89. Walpeup ..	..	..	..	2,522	17	8	2,522	17	8	3,871	13	3
90. Watchem ..	..	..	..	3,895	16	8	3,895	16	8	5,021	18	5
91. Werrimull ..	..	..	..	5,144	17	0	5,144	17	0	9,222	11	5
92. Wonthaggi ..	..	..	..	9,224	3	9	9,224	3	9	6,384	8	9
93. Wommelang ..	..	..	..	106,025	9	6	106,025	9	6	6,531	3	4
94. Woornen ..	..	..	..	9,170	14	9	9,170	14	9	1,397	2	4
95. Wycheproof ..	..	..	..	7,104	6	6	7,104	6	6	2,339	2	11
96. Yaapect ..	..	..	..	24,439	18	9	24,439	18	9	..	..	..
..	..	..	..	2,342	17	3	2,342	17	3	..	..	..
Totals ..	4,746,179	14	11	5,735,701	19	8	4,057,199	19	1	2,818,979	2	10
..	..	..	..	10,481,881	14	7	..	..	..	6,424,681	15	6

10,481,881 14 7

G.—FLOOD PROTECTION DISTRICTS.

1. Cardinia ..	..	..	..	122,740	3	0	122,740	3	0	122,740	3	0
2. Kanyapella ..	..	..	..	3,888	11	10	3,888	11	10	3,888	11	10
3. Lower Koo-wee-rup ..	..	..	..	609,216	4	2	609,216	4	2	609,216	4	2
4. Loch Garry ..	..	..	..	18,644	19	11	18,644	19	11	18,644	19	11
Totals ..	..	..	..	754,489	18	11	754,489	18	11	754,489	18	11

754,489 18 11

Carried forward ..

93,458,619 17 9

LOAN CAPITAL ACCOUNTS—continued.

Totals at 30th June, 1959.

£	s.	d.
93,458,619	17	9

Name of District.	Loan Capital Expenditure.				Allotted to District.	Capital Expenditure Borne by the State Account.								
	Headworks.		Distributary Works.			Total.	Headworks.		Total.					
	£	s. d.	£	s. d.			£	s. d.						
H.—DRAINAGE DISTRICT.														
1. Carrum .. ..	..	..	165,493	2 1	165,493	2 1	..	165,493	2 1			
Totals .. ..	..	..	165,493	2 1	165,493	2 1	..	165,493	2 1			
Totals, Commission's Districts (Statements D, E, F, G, and H.)	20,475,295	8 10	25,983,279	7 11	46,458,574	16 9	4,945,390	8 9	17,673,328	7 1	23,839,856	0 11	41,513,184	8 0

* Exclusive of Plant and Machinery Suspense Account, £1,825,208 9s. 9d. Plant Workshops and Depots, £17,451 19s. 8d. Total, £1,842,720 9s. 5d. (Statement A).
† Exclusive of following Works not apportioned to Districts, viz.: Cairn Curran Reservoir, £3,577,183 1s. 4d.; Cattanach Canal, £2,127,049 10s. 0d.; Eildon Reservoir Enlargement, £26,418,519 10s. 0d.; Glenmaggie Reservoir Enlargement, £774,811 6s. 1d.; Madra Weir, £176,845 0s. 0d.; Waranga Reservoir Enlargement, £33,470 200 0s. 0d.; Waranga Channel, £33,470 1s. 11d.; Goulburn System Enlargement, £580,816 6s. 4d.; Tullaroop Dam, £1,548,937 6s. 8d.; Bellarine Peninsula, £30,170 0s. 10d.; Mornington Peninsula, Hallam-East Dandenong Pipeline, £45,777 6s. 4d.; Bacchus Marsh and Werribee Schemes, £27,319 19s. 4d. Total, £3,711,097 3s. 10d. (Statement C).

WORKS UNDER GENERAL SUPERVISION OF COMMISSION.

I.—WATERWORKS TRUSTS AND LOCAL GOVERNING BODIES.

	£	s.	d.	£	s.	d.
Waterworks Trusts, First Mildura Irrigation and Local Loan Liability	..	..	..	7,086,315	11	2
Amounts Written Off and Free Grants to Local Authorities as at 30th June, 1958. (For details see Annual Report for year 1957-58)	..	..	..	..	..	..
Under Act 1957 No. 6152 Amounts Transferred to State Account, £152,768 5s. 10d.; Grants to Local Authorities, £2,589 12s. 4d.	4,187,691	0	8	155,367	18	2
Under Act 1958, No. 6460 Amounts Transferred to State Account, £224,781 0s. 1d.; Grants to Local Authorities, £3,413 14s. 1d.	230,194	14	2	4,573,253	13	0

J.—RIVER IMPROVEMENT TRUSTS.

River Improvement Trusts and Other Public Authorities pursuant to Part IV. of the <i>River Improvement Act</i> 1948 .. .. .	..	604,502	5	0		35,162	5	4
Amounts Borne by State Account as at 30th June, 1958 .. .. .	..	..	..	..	..	..	..	..
Under Act 1957 No. 6152 Amounts Transferred to State Account .. .. .	..	..	..	..	..	28,038	7	9
Under Act 1958, No. 6460 Amounts Transferred to State Account .. .. .	..	..	..	..	..	139,702	3	4
						772,842	16	1

K.—LATROBE VALLEY.

[illegible]

SUMMARY STATEMENT OF LOAN CAPITAL ACCOUNTS AS AT 30th JUNE, 1959.

Reference to Preceding Statements.	Works.	Capital Works and Charges and State Works of Water Supply.	Headworks.	Distributory Works.	Total Loan Capital Expenditure.	Deduct Redemption and Repayments.	Net Loan Capital.	At Debit of Authorities and Borne by Districts.	Capital Expenditure Borne by the State.
		£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
A	Capital Works and Charges	8,548,620 12 8	..	..	8,548,620 12 8	585,070 9 4	7,963,550 3 4	1,842,720 9 5	6,120,829 13 11
B	State Works of Water Supply	1,694,769 7 8	..	..	1,694,769 7 8	3,818 11 9	1,690,950 15 11	..	1,690,950 15 11
C	Headworks Costs not yet apportioned	..	..	..	..	1,886,715 14 3	37,511,037 3 10	..	37,511,037 3 10
D	Irrigation and Water Supply Districts, inclusive of Headworks Costs	..	..	..	..	374,849 13 3	26,252,000 14 8	..	26,252,000 14 8
E	Waterworks Districts, inclusive of Headworks Costs	..	..	..	..	252,104 18 9	8,804,709 6 6	888,190 9 8	7,916,518 16 10
F	Urban Districts, inclusive of Headworks Costs	..	..	..	..	630,387 6 11	10,481,881 14 7	4,057,199 19 1	6,424,681 15 6
G	Flood Protection Districts	..	..	..	..	11,190 15 8	754,489 18 11	..	754,489 18 11
H	Drainage District	..	..	..	..	1,978 11 5	165,493 2 1	..	165,493 2 1
	Total Works under control of Commission	10,243,390 0 4	60,120,921 15 4	27,005,917 5 6	97,370,229 1 2	3,746,116 1 4	93,624,112 19 10	6,788,110 18 2	86,836,002 1 8
I	Waterworks Trusts and Local Governing Bodies	..	..	..	12,945,876 6 8	1,286,307 2 6	11,659,569 4 2	7,086,315 11 2	4,573,253 13 0
J	River Improvement Trusts	..	..	..	809,314 6 3	1,309 4 10	808,005 1 5	35,162 5 4	772,842 16 1
K	Latrobe Valley	..	..	..	1,574,630 12 2	57,058 0 2	1,517,572 12 0	1,517,572 12 0	..
		..	..	..	112,700,050 6 3	5,090,790 8 10	107,609,259 17 5	15,427,161 6 8	92,182,098 10 9

Note.—District Headworks Costs formerly included in Item "C" are now shown in Items "D," "E," and "F."

RECONCILIATION STATEMENT.

COUNTRY WATER SUPPLY AND STATE DEVELOPMENT ACCOUNTS IN THE BOOKS OF THE TREASURY WITH CAPITAL ACCOUNTS IN THE BOOKS OF THE COMMISSION AS AT 30th JUNE, 1959.

	Total.	Water Supply.	State Development Account.
	£ s. d.	£ s. d.	£ s. d.
Net Loan Liability as per Treasurer's Finance Statement (page 87)	98,934,143 7 11	14,942,239 19 5	83,991,903 8 6
Expenditure on Account of Loans from Treasurer's Advance	113,837 7 10	113,837 7 10	..
Add—			
Cost of Geelong Works. "Finance" (page 88)	126,339 19 2	..	126,339 19 2
National Debt Sinking Fund contributions from Consolidated Revenue pursuant to the provisions of the <i>Commonwealth and State Financial Agreement Act 1927</i> , No. 3554, as amended by Act No. 5051, 1944. "Finance" (page 87). (These amounts not credited to Districts and Works excepting recoup contributions shown below)	9,332,045 13 6	1,306,748 17 10	8,025,296 15 8
National Debt Sinking Fund contributions in respect of Geelong Works. "Finance" (page 88)	38,558 7 5	..	38,558 7 5
Less—			
Redemption recoup contributions paid into Consolidated Revenue by Commission Districts and Works, Waterworks Trusts, &c.	108,544,924 15 10	16,362,826 5 1	92,182,098 10 9
Totals of amounts at debit of Authorities and Districts and the Capital Expenditure Borne by the State Account in the books of the Commission	935,664 18 5	935,664 18 5	..
	107,609,259 17 5	15,427,161 6 8	92,182,098 10 9

CONTRACTS.

STATEMENT OF CONTRACTS ENTERED INTO DURING THE YEAR ENDED 30TH JUNE, 1959.

No.	Name of Contractor.	Work and Supply.	Amount.
			£
3477	Derek Crouch (Australia) Pty. Ltd. ..	Excavation, laying pipes—Bittern Pipe-line ..	40,090
3478	Melbourne Tractor Company ..	Construction of Channel—Goulburn Remodelling Project	62,944
3479	Roche Bros. Pty. Ltd. ..	Foundation excavation for main embankment—Tullaroop Dam Project	56,210
3480	Keith D. Ryan ..	Erection of Residence—Bendigo ..	3,387
3481	Hunter River Shell Pty. Ltd. ..	Dredging River Murray—Mildura ..	21,952
3482	M. Cramp ..	Erection of residence—Red Cliffs ..	3,580
3483	A. G. Leech Pty. Ltd. ..	Supply of sand and aggregate—Tullaroop Dam Project	23,650
3484	Loft Constructions ..	Construction of drains—Robinvale ..	9,710
3485	Maskell and Gribben ..	Supply of concrete aggregate—Goulburn Remodelling Project	8,360
3486	K. R. Charles ..	Erection of residence—Lake Cullulleraine ..	4,164
3487	McMaster Bros. ...	Remodelling earthen embankment—Charlton ..	1,274
3488	Hansen and Yuncken Pty. Ltd. ..	Earthworks, laying pipes—Mornington Peninsula ..	60,070
3489	G. C. Daniels ..	Erection of residence—Kyabram ..	3,664
3490	Utah Australia Ltd. ..	Raising north bank—Carrum ..	59,700
3491	K. R. Charles ..	Erection of residence—Merbein ..	3,923
3492	Hansen and Yuncken Pty. Ltd. ..	Construction of reservoir—Anglesea ..	19,120
3493	Marfleet and Weight Ltd. ..	Manufacture embedded metalwork—Tullaroop Dam Project	5,130
3494	G. T. Doherty ..	Erection of fencing—Goulburn Remodelling Project ..	6,650
3495	Roche Bros. Pty. Ltd. ..	Construction of Beattie Depression Floodway—Deakin Irrigation District	16,411
3497	W. J. Davis ..	Supply of bedding stone—Goulburn Irrigation System	5,333
3499	C. T. Kirby ..	Erection of residence—Murchison ..	3,631
3500	C. R. Keath Earthmoving Co. Pty. Ltd. ..	Enlargement of East Goulburn Main Channel—Goulburn Remodelling Project	82,830
3501	Mephan Ferguson Pty. Ltd. ..	Manufacture pipes—Tullaroop Dam Project ..	12,408
3502	A. D. Hillgrove ..	Construction of channel—Boort ..	79,455
3503	Maskell and Gribben ..	Supply of aggregate—Goulburn Remodelling Project ..	8,360
3504	Warrnambool Drainage Co ..	Excavation, laying pipes—Otway ..	14,150
3505	K. R. Charles ..	Erection of residence—Red Cliffs ..	4,102
3506	D. A. Constructions ..	Alterations to breakwater—Lake Corangamite Project	6,875
3507	Hansen and Yuncken Pty. Ltd. ..	Construction of pressure reducing pit—Mornington Peninsula	10,149
3508	Humes Ltd. ..	Manufacture pipes—Cairn Curran ..	14,270
			651,552

ESTIMATES, 1959-60.

PROPOSED DISBURSEMENTS.

	Estimated Requirements.	Amount Provided in Budget.
	£	£
Coliban Works	61,000	60,000
Irrigation, Water Supply and Drainage Districts	1,070,000	820,000
Waterworks Districts.. .. .	451,000	370,000
Flood Protection and Carrum Drainage Districts	43,000	40,000
Salaries of Permanent and Temporary Employees*	1,814,351	1,738,893
General Expenditure*	450,000	450,000
Removal of Sand Drift	80,000	80,000
River Murray Works—Contribution by State	100,000	75,000
Pay-roll Tax	90,000	90,000
Subsidies to Waterworks Trusts and Local Governing Bodies to enable a Reduction of 33½ per cent to be made in Water Rates	600	600
Subsidies to Waterworks Trusts, Local Governing Bodies and River Improvement Trusts where Interest is in excess of 3 per cent on Loans raised under Act No. 6413	24,000	21,000
Subsidies to Waterworks Trusts and Local Governing Bodies to limit the maximum Water Rate to 3s. 6d. in the Pound, N.A.V.	3,500	3,500
Totals—Water Supply	4,187,451	3,748,993
Assistance to certain Sewerage Authorities where works were suspended and are still under construction	2,000	2,000
Subsidies to Sewerage Authorities in cases where the interest paid on capital liability is in excess of the rate of 3 per cent.	150,000	115,000
	4,339,451	3,865,993

* To be apportioned over the above Districts.

ESTIMATED RECEIPTS.

	Amount Provided in Budget.
	£
Coliban Works	156,000
Irrigation, Water Supply and Drainage Districts	1,345,000
Waterworks Districts	775,000
Flood Protection and Carrum Drainage Districts	58,000
Sewerage Districts	6,000
Other	250,000
Recoup on account of amounts paid from Revenue in connexion with River Murray Commission, Loan Works, &c.	895,000
Sub-Total	3,485,000
Add estimated Receipts to meet Interest and Redemption—	
Waterworks Trusts and other Corporations	378,600
Plant and Machinery, and Land	49,250
Totals—Water Supply	3,912,850

Estimated amount available from Revenue of Commission—

“Paying” Districts to meet Interest £130,000.

APPENDIX A.

VICTORIAN WATER SUPPLY STATISTICS.

AREA—

1958-59.

Area of State of Victoria	87,884 square miles = 56,245,760 acres
Area of rural and urban lands artificially supplied with water for domestic and stock and industrial purposes by channels, tanks, bores, and pipe lines, excluding Melbourne Metropolitan area	17,957* square miles = 11,496,400* acres
Area of Irrigation Districts and other lands supplied for irrigation (See Appendix B)	2,550,000* acres
Area Irrigated (See Appendix B)	965,766 acres
Area within Flood Protection Districts	148,910* acres
Area within Drainage District	18,250* acres

* Gross area.

AVERAGE ANNUAL RAINFALL.

Over State (87,884 square miles)	10 inches to 80 inches
Under 15 inches	18,701 square miles = 21.3 per cent. of area of State
15 inches to 20 inches	13,800 " " = 15.7 " " "
20 " 25 "	13,551 " " = 15.4 " " "
25 " 30 "	14,528 " " = 16.5 " " "
30 " 40 "	15,802 " " = 18.0 " " "
40 " 50 "	6,671 " " = 7.6 " " "
50 " 60 "	2,660 " " = 3.0 " " "
Over 60 inches	2,171 " " = 2.5 " " "
Total	87,884 " "

WATERWORKS—

Controlled by Commission—

Storages (See Appendix G)—

Number of large reservoirs	38
Number of subsidiary reservoirs and service basins	248
Total capacity of storages, 1,428,455 million gallons = 5,246,850* acre feet.	

* Includes half share of Hume Reservoir and other River Murray Works.

Channels—Length—

Irrigation	5,136 miles
Domestic and Stock	8,019 miles
Drainage and Flood Protection	2,362 miles
Total	15,517 miles

Pipe Lines—Length—

Mains	238 miles
Reticulation	1,029 miles
Total	1,267 miles

Tanks—Excavated—

Number in Wimmera-Mallee Waterworks Districts	260 tanks
---	-----------

Bores—

Number in Waterworks Districts	39 bores
--	----------

Water Deliveries—

Quantity water delivered for irrigation (see Appendix B)	1,257,597 acre feet
--	---------------------

RURAL DISTRICTS—

Administered by Commission—

	Number of Districts.	Number of Assessments.	Population.
Irrigation Districts	30	17,021	46,744
Waterworks Districts (including rural lands, Coliban System)	31	21,572	63,528
Flood Protection Districts	4	1,645* (51)	4,237* (30)
Drainage District	1	6,080	7,000
Totals	66 districts	46,318 assessments	121,509 persons

* Excluding figures in brackets which show the number of assessments and population in respect of lands also within an Irrigation District.

URBAN SUPPLY—

Towns with reticulated pipe supplies for domestic and industrial purposes—

	Number of Towns.	Population.
Administered by Commission	130	194,620 persons
" " Waterworks Trusts	145	406,460 "
" " Local Governing Bodies and Municipalities	27	111,970 "
Totals	302 towns	713,050 persons

SEWERAGE AUTHORITIES—

Controlled by Local Authorities supervised by Commission

	Number of Towns.	Population.
37 (Systems operating)	37	395,000 persons
1 (System partly operating)	1	10,000 "
26 (Systems not operating)	26	74,700 "
Totals	64 towns	479,700 persons

CAPITAL LIABILITY FOR WATER SUPPLY—

Total to 30th June, 1959—

(a) Borne by the State	£92,182,099
(b) Borne by the Districts	£15,427,161
Total	£107,609,260

APPENDIX B.
RETURN OF WATER DELIVERED FOR IRRIGATION.
YEAR 1958-59.

District.	Water Assign- ment Measured at District Boundaries.	Gross Supply District Offtakes (excluding volumes passed to other districts).	Total Water Rights Allotted to District.	Users in District.			Total Delivered in District.	Users Outside District from District Channels.	Total Delivered.	Users Outside District from Main Channels and Natural Streams.
				Under Water Rights.	Sales of Water.	Domestic and Stock Purposes.				
GOULBURN SYSTEM—										
	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.
(Main Eastern Channel.)										
South Shepparton	12,000	9,256	8,686	6,199	872	196	7,267	72	7,339	..
Shepparton	51,000	37,124	22,264	19,114	3,400	410	22,924	347	23,271	..
North Shepparton	44,000	(c) 44,952	15,601	13,624	10,274	931	24,829	..	24,829	457
Katandra	13,000	15,099	9,957	9,279	2,422	393	12,094	83	12,177	..
Totals	120,000	106,431	56,508	48,216	16,968	1,930	67,114	502	67,616	457
(Waranga Reservoir.)										
Rodney	232,000	227,711	70,966	67,215	53,025	(b) 4,210	124,450	(a) 1,090	125,540	..
Tongala-Stanhope	116,000	113,645	49,013	47,092	21,779	2,472	71,343	726	72,069	..
Deakin	23,000	13,673	7,660	5,656	3,135	492	9,283	..	9,283	..
Rochester	147,000	118,260	58,395	52,954	23,195	2,542	78,691	741	79,432	..
Dingee	9,000	8,254	4,522	4,470	2,592	256	7,318	(b) 20	7,338	..
Calivil (including Loddon water)	21,000	20,698	7,572	7,177	6,839	675	14,691	..	14,691	359
Tragowel Plains (including Loddon water)	97,000	81,894	31,730	29,072	11,777	1,725	42,574	(b) 64	42,638	..
Boort (including Loddon water)	35,000	30,905	16,832	16,369	6,147	876	23,392	556	23,948	..
Loddon	(i)	487	..	..	73	230	303	..	303	..
East Loddon	(i)	1,656	..	..	1,371	238	1,609	..	1,609	..
West Loddon	(i)	4,220	..	..	4,814	..	4,814	..	4,814	..
Totals	680,000	621,403	246,690	230,005	134,747	13,716	378,468	3,197	381,665	359
Goulburn Grand Totals	800,000	727,834	303,198	278,221	(f) 151,715	15,646	445,582	3,699	449,281	816
MURRAY SYSTEM—										
		(d)			(g)					
Murray Valley	276,000	264,433	96,482	86,893	60,924	4,459	152,276	326	152,602	..
(Torrumbarry Weir.)										
Cohuna	122,000	145,990	49,407	43,744	18,590	2,235	64,569	(b) 273	64,842	..
Koondrook	70,000	68,954	24,622	24,282	7,970	709	32,961	59	33,020	..
Kerang	71,000	52,393	21,516	20,627	8,908	949	30,484	287	30,771	..
Third Lake	6,000	7,298	2,513	2,291	569	7	2,867	..	2,867	..
Mystic Park	7,000	5,738	2,754	2,209	396	124	2,729	18	2,747	..
Tresco	8,000	4,616	3,629	2,427	35	..	2,462	..	2,462	..
Fish Point	5,000	2,524	1,842	1,540	96	131	1,767	..	1,767	..
Swan Hill	63,000	51,997	25,790	22,453	6,031	1,560	30,044	411	30,455	..
Penal Island Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	3,385
Kerang Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	1,187
Kerang N.-W. Lakes Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	4,333
Upper Gunbower Ck. Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	3,703
Lower Gunbower Ck. Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	7,990
Taylor's Creek Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	1,257
Kow Swamp Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	1,542
Pyramid Creek Private Diversions .. .. .	..	..	..	..	..	..	..	..	..	2,555
Torrumbarry Weir Totals	352,000	339,510	132,073	119,573	(h) 42,595	5,715	167,883	1,048	168,931	25,952
(Pumped from River Murray.)										
Nyah	12,000	10,265	7,134	6,662	415	38	7,115	(b) 113	7,228	..
Robinvale	21,000	14,646	13,856	10,252	..	..	10,252	..	10,252	..
Red Cliffs	50,000	36,107	34,280	29,395	1,027	..	30,422	(b) 458	30,880	..
Merbein	33,000	28,081	23,821	22,375	1,331	..	23,706	1,491	25,197	..
Totals	116,000	89,099	79,091	68,684	2,773	38	71,495	2,062	73,557	..
Murray Grand Totals	744,000	693,042	307,646	275,150	106,292	10,212	391,654	3,436	395,090	25,952
CAMPASPE SYSTEM—										
Coliban .. .. .	..	26,961	..	..	(e) 8,474	(b) 9,415	17,889	..	17,889	..
Campaspe	(i)	462	..	..	334	13	347	..	347	..
Totals .. .. .	..	27,423	..	..	8,808	9,428	18,236	..	18,236	..
WERRIBEE SYSTEM—										
Bacchus Marsh	(i)	7,665	3,297	3,253	2,080	187	5,520	(b) 700	6,220	..
Werribee	12,000	15,709	8,157	7,240	1,941	227	9,408	(b) 496	9,904	..
Totals	12,000	23,374	11,454	10,493	4,021	414	14,928	1,196	16,124	..
MACALISTER SYSTEM—										
Maffra-Sale	(i)	87,824	28,931	27,217	18,736	1,944	47,897	969	48,866	..
Central Gippsland	(i)	40,753	24,476	17,886	8,629	1,021	27,536	44	27,580	..
Totals .. .. .	..	128,577	53,407	45,103	27,365	2,965	75,433	1,013	76,446	..
WIMMERA SYSTEM—										
Quantong, Riverside, Burnlea, Haven, &c. .. .. .	..	17,844	..	..	12,148	..	12,148	..	12,148	..
PRIVATE DIVERSIONS (not included above)										
Totals	1,556,000	1,618,094	675,705	608,967	310,349	38,665	957,981	9,344	967,325	247,922
FIRST MILDURA TRUST	(i)	42,771	46,050	29,250	12,850	170	42,270	80	42,350	..
GRAND TOTALS	(j) 1,556,000	1,660,865	721,755	638,217	323,199	38,835	1,000,251	9,424	1,009,675	247,922
										1,257,597

(a) Includes Waterworks Trusts; (b) includes Urban Districts; (c) Includes 4,077 acre feet outfall to Broken Creek; (d) Includes 25,800 acre feet outfall to Broken Creek; (e) Includes 759 acre feet for mining; (f) Includes 82,439 acre feet supplementary sales and 197 acre feet "out of season" sales; (g) Includes 38,950 acre feet supplementary sales; (h) Includes 14,400 acre feet supplementary sales and 235 acre feet "out of season" sales; (i) Not expressed in acre feet; (j) Not including Campaspe, Bacchus Marsh, Maffra-Sale, Central Gippsland, Mildura, Loddon, East Loddon and West Loddon.

Total Supplementary Supply to Wimmera-Mallee for period 1st July, 1958, to 30th June, 1959—

	Acre feet.
From Waranga Western Channel	7,222
From Loddon River	19,064
Total	26,286

APPENDIX C.

LANDS UNDER IRRIGATED CULTURE.

The two statements hereunder show the extent of areas irrigated—

(a) During the last year in detail; and

(b) During the last five years totalled for purposes of comparison.

(a) STATEMENT OF THE EXTENT OF IRRIGATION AND OF AREAS OF DIFFERENT KINDS OF CROPS WATERED—
1958-59.

Name of District.	Total Area of Holdings in Irrigation Districts, in Acres.	Area classified as Irrigable within Constituted Districts, in Acres.	Water Rights Appropriated (including Extra Water Rights) (Acre-Feet).	Area Irrigated, including Lands adjoining a District, in Acres.										
				Total	Cereals.	Lucerne Grown for Pasture and Hay.	Sorghum and other Annual Fodder Crops.	Pastures.			Vineyards.	Orchards.	Market Gardens.	Fallow and Miscellaneous.
								Native.	Annual.	Perennial.				
GOULBURN SYSTEM.														
Katandra	13,965	12,608	9,957	8,412	..	10	..	1,447	2,487	5,915	..	..	..	..
North Shepperton	124,342	61,414	15,601	32,835	227	967	117	1,447	24,681	4,736	..	552	55	53
Shepparton	24,106	23,382	22,264	17,741	114	70	38	246	2,697	4,764	92	8,615	1,013	92
South Shepparton	33,773	21,570	8,686	9,297	20	362	125	467	6,706	1,308	2	214	93	..
Rodney	273,586	190,140	70,966	110,575	324	6,885	1,094	1,025	43,197	48,639	88	7,621	633	1,069
Tongala-Stanhope	76,113	47,564	49,013	48,245	94	258	126	361	15,861	30,616	..	862	54	13
Rochester	181,768	57,041	58,395	75,342	164	2,379	160	2,346	36,228	33,035	3	492	208	327
Dingee	8,885	4,454	4,522	4,528	15	..	20	25	1,367	3,097	4	..	..	..
Calivil	61,152	32,532	7,572	15,311	216	239	109	1,291	8,292	4,841	..	..	38	285
Tragowel Plains	218,128	148,839	31,730	59,225	2,282	211	2,489	12,177	35,304	4,409	8	..	..	2,345
Deakin	160,955	21,084	7,660	10,584	113	205	25	235	6,907	3,075	..	..	24	..
Boort*	80,180	47,459	16,832	9,295	259	411	404	1,381	5,663	739	..	..	..	438
East and West Loddon*	..	..	..	5,367	680	333	94	646	1,795	460	..	..	..	1,359
Totals	1,256,953	668,087	303,198	406,757	4,508	12,330	4,801	21,647	191,185	145,634	197	18,356	2,118	5,981
RIVER MURRAY SYSTEM.														
(a) Torrumbarry Weir.														
Cohuna	85,409	44,792	49,407	60,588	261	431	586	11,969	13,138	33,909	..	..	..	294
Koondrook	88,193	24,572	24,622	41,070	532	470	721	6,414	27,535	4,449	514	..	..	435
Swan Hill	37,202	22,245	25,700	26,309	256	710	488	1,317	7,151	11,588	2,937	485	1,226	151
Third Lake	11,483	3,771	2,513	3,986	46	258	38	..	3,491	150	3	..	..	..
Mystic Park	19,267	8,039	2,754	4,158	49	311	117	236	2,833	345	23	..	..	244
Tresco	4,049	1,758	3,626	1,571	..	29	..	..	8	..	1,276	46	35	177
Fish Point	6,327	3,756	1,845	2,266	..	76	35	680	1,061	414	..	..	..	..
Kerang	88,605	55,762	21,516	35,703	1,295	445	867	8,730	17,567	5,936	..	..	..	863
Kerang North-West Lakes	36,409	..	..	5,785	15	396	175	523	3,770	291	45	390	..	180
Private Diversions .. ..	..	..	..	25,363	197	685	319	568	14,642	7,994	62	165	139	592
Totals	377,544	164,695	132,073	206,799	2,651	3,811	3,346	30,437	91,196	65,076	4,860	1,086	1,400	2,936
(b) Yarrawonga Weir.														
Murray Valley	267,812	206,874	96,482	101,359	68	10,307	648	4,455	54,356	26,724	32	4,375	374	20
(c) Direct from River by Pumping.														
Nyah	3,837	2,600	7,134	3,236	50	120	..	500	100	200	2,012	147	107	..
Red Cliffs	13,598	11,299	34,280	11,700	..	50	..	..	47	10,916	550	137	..	..
Merbein	9,225	7,673	23,821	8,290	..	107	14	27	90	132	7,103	799	18	..
Robinvale	9,067	5,542	13,856	4,523	..	..	..	..	..	3,966	186	..	..	371
Totals	35,727	27,114	79,091	27,749	50	277	14	527	190	379	23,997	1,682	262	371
(d) First Mildura Trust District														
River Murray System	45,000	15,000	..	13,700	..	205	190	..	..	..	12,030	700	..	575
Totals	726,083	413,683	307,646	349,607	2,769	14,600	4,198	35,419	145,742	92,179	40,919	7,843	2,036	3,902
LODDON AND OTHER NORTHERN SYSTEMS.														
Boort* .. .. .	..	..	..	20,687	605	958	942	2,223	13,214	1,723	..	..	..	1,022
Loddon and West Loddon ..	..	..	..	1,973	292	70	41	281	509	197	..	..	..	583
Coliban .. .. .	..	11,000	..	8,366	39	241	..	837	570	3,241	..	2,963	151	324
Campaspe	19,735	..	..	498	..	253	..	..	89	156	..	..	..	..
Western Wimmera .. ..	..	5,830	..	5,510	..	532	..	..	..	4,151	..	622	205	..
Wimmera United .. ..	..	1,169	..	943	..	288	..	..	..	650	..	..	5	..
Totals	19,735	17,999	..	37,977	936	2,342	983	3,341	14,382	10,118	..	3,585	361	1,929
SOUTHERN SYSTEMS.														
Bacchus Marsh	6,688	3,296	3,297	4,599	..	353	42	..	..	2,662	..	210	708	624
Werribee	9,704	8,159	8,157	9,879	..	406	104	..	..	3,775	..	328	4,401	865
Maffra-Sale	72,896	38,649	28,931	32,182	199	222	530	1,801	642	28,626	..	..	76	86
Central Gippsland	57,405	37,651	24,476	21,814	213	806	236	1,011	645	18,528	..	..	..	375
Mornington Peninsula ..	..	..	..	1,031	..	..	..	..	..	..	..	..	910	121
Bellarine Peninsula .. ..	..	..	..	332	..	10	..	..	..	..	..	40	218	64
Totals	146,693	87,755	64,861	69,837	412	1,797	912	2,812	1,287	53,591	..	578	6,313	2,135
PRIVATE DIVERSIONS.														
Other Private Diversions throughout the State ..	..	..	..	101,588	811	7,683	4,334	9,683	8,031	54,802	3,151	4,987	7,767	339
Grand Totals 1958-59 ..	2,149,464	1,187,524	675,705	965,766	9,436	38,752	15,228	72,902	360,627	356,324	44,267	35,349	18,595	14,286
Grand Totals 1957-58 ..	2,150,447	1,169,795	666,947	1,001,800	30,348	42,611	19,488	80,645	393,338	327,953	44,283	32,802	19,816	10,516

* Boort and West Loddon Districts are supplied from the Goulburn and the Loddon Systems.

(b) COMPARATIVE STATEMENT OF THE EXTENT OF IRRIGATION—1954-55 TO 1958-59.

Source of Supply.	Area under Irrigation (Acres).				
	1954-55.	1955-56.	1956-57.	1957-58.	1958-59.
Goulburn System	379,782	245,531	362,688	424,815	406,757
River Murray System	334,651	245,312	329,018	374,626	349,607
Loddon and Other Northern Systems ..	34,086	20,009	25,994	37,934	37,977
Southern Systems	43,871	43,472	53,789	63,475	69,837
Private Diversions	71,173	80,007	83,693	100,950	101,588
Totals	863,563	634,334	855,182	1,001,800	965,766

APPENDIX D.

WATER DELIVERED TO DOMESTIC AND STOCK SYSTEMS, 1958-59.

Districts.						Quantity.†	Total.
						Acre feet.	Acre feet.
Wimmera-Mallee System—							
Wimmera River and Storages	..	..	..	..	..	55,778	
Loddon and Goulburn Water	..	..	..	..	..	19,333	
River Murray (Nyah Pump)	..	..	..	..	..	..	75,111*
Goulburn and Loddon—							
Normanville (Loddon and Goulburn)	..	..	..	..	..	2,036	
West Loddon (Loddon and Goulburn)	..	..	..	..	..	4,220	
East Loddon (Goulburn)	..	..	..	..	..	1,656	
Loddon (Loddon)	..	..	..	..	..	487	8,399
River Murray—							
Millewa (Cullulleraine Pump)	..	..	..	..	..	5,520	
Tyntynder North (Robinvale Pump)	..	..	..	..	..	762	
Millewa (Yelta Area)	..	..	..	..	..	1,860	
Millewa (Carwarp Area)	..	..	..	..	..	1,312	9,454
Grand Total						..	92,964

* Detailed statement of Wimmera-Mallee System hereunder.

† Measured at headworks or pumping stations.

WIMMERA-MALLEE DOMESTIC AND STOCK SUPPLY SYSTEM.

WATER SUPPLIED FROM HEADWORKS.

Year.	Lake Lonsdale and Fyans Lake. Acre Feet. Gauged at Glenorehy.	Wimmera River. Acre Feet. Gauged at Glenorehy.	Taylor's, Pine, and Wartook Lakes. Acre Feet. Gauged at Outlets.	River Murray, Nyah Pump. Acre Feet. Gauged at Nyah.	Waranga Western Channel. Acre Feet. Gauged at Avoca River.	Total.	Rainfall.	
							Wartook.	Hopetoun.
						Acre feet.	Inches.	Inches.
1952	6,550	19,182	31,335	..	13,494	70,560	44·95	16·10
1953	9,550	17,681	29,661	..	18,940	75,837	42·24	13·87
1954	28,243	8,650	48,737	..	18,900	104,530	31·27	15·43
1955	964	6,634	30,243	..	20,230	58,071	42·51	19·21
1956 .. ..	..	6,038	15,043	..	14,810	35,891	43·92	19·00
1957	26,929	4,834	58,060	..	25,910	115,733	28·77	10·06
1958	3,553	12,918	39,307	..	19,333	75,111	40·37	16·69

DELIVERIES TO WIMMERA IRRIGATION AREAS.

In addition to the above, the following quantities were released from headworks at Pine Lake, Green Lake, and Dock Lake storages for irrigation areas in Western Wimmera and Wimmera United Districts.

Year.						Area Watered.	Gross Supply Released from Headworks.
						Acres.	Acre feet.
1952-53 .. ..	..	..	..	..	..	3,180	8,249
1953-54 .. ..	..	..	..	..	..	3,812	7,624
1954-55 .. ..	..	..	..	..	..	3,677	11,322
1955-56 .. ..	..	..	..	..	..	3,959	8,614
1956-57 .. ..	..	..	..	..	..	4,883	10,182
1957-58 .. ..	..	..	..	..	..	6,093	21,000
1958-59 .. ..	..	..	..	..	..	6,453	17,844

APPENDIX E.

WIMMERA-MALLEE AND RIVER MURRAY DOMESTIC AND STOCK SUPPLY SYSTEMS.

PERIODS OF ANNUAL WATERINGS.

District.	Year.	Commenced.	Completed.	Days.
Wimmera-Mallee	1955	13.4.55	31.10.55	202
	1956	23.4.56	1.10.56	162
	1957	24.4.57	7.3.58	318*
	1958	1.4.58	26.11.58	240
Tyntynder North (formerly Coreena) .. .	1955	13.7.55	12.8.55	31
	1956	16.7.56	12.8.56	28
	1957	9.7.57	2.8.57	25
	1958	12.7.58	5.8.58	25
Millewa (Millewa Section) .. .	1955	4.7.55	1.9.55	59
	1956	4.7.56	1.9.56	59
	1957	8.7.57	7.9.57	62
	1958	1.7.58	28.8.58	59
Millewa (Carwarp Section) .. .	1955	1.8.55	19.8.55	19
	1956	29.7.56	17.8.56	20
	1957	29.7.57	14.8.57	17
	1958	21.7.58	8.8.57	18
Millewa (Yelta Section) .. .	1955	23.9.55	11.10.55	19
	1956	5.9.56	14.9.56	22
	1957	18.9.56	1.10.56	27
	1958	2.9.57	28.9.57	25
		9.9.58	3.10.58	

*Watering delayed because of interruption to flow in Waranga Western Channel.

APPENDIX F.

COLIBAN SYSTEM—WATER DELIVERIES.

Year.	Inflow to Storages.			Output from Storages.	Delivered to Users.	Percentage Efficiency.
	From Coliban River.	Through Ashbourne Diversion Channel from Campaspe River to Coliban River.	Total.			
	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.	acre feet.
1952-53	98,193	3,074	101,267	27,111	18,219	67
1953-54	61,882	741	62,623	28,237	18,799	67
1954-55	45,933	664	46,597	25,586	17,821	70
1955-56	107,192	2,620	109,812	25,597	18,102	71
1956-57	88,600	2,600	91,200	30,666	19,710	64
1957-58	18,094	827	18,921	21,109	13,865	66
1958-59	73,664	1,536	75,200	27,074	19,092	71

* Restrictions as set out in Report.

APPENDIX G.

TOTAL STORAGES IN STATE.

In 1902, the total capacity of storages in the State was 172,000 acre feet. At 30th June, 1959, the storage capacity available to the Commission was 5,246,850 acre feet, and when enlargement of Hume Reservoir is completed this figure will rise to 5,596,850 acre feet.

Storage.				Full Supply Reduced Level.	Capacity.	
				Feet.	Acre feet.	Acre feet.
<i>Goulburn System—</i>						
Eildon	..	..	..	950.00	2,750,000	
Goulburn Weir (8,000 acre feet below gravitation level)	..	..	..	408.00	20,700	
Waranga (53,000 acre feet below gravitation level)	..	..	..	398.00	333,400	
						3,104,100
<i>Murray-Loddon System—</i>						
			Capacity in Acre feet.			
Hume Reservoir	..	..	1,800,000			
Yarrowonga Weir	..	..	95,120			
Torrumbarry	..	..	28,900			
Euston	..	..	31,320			
Mildura	..	..	29,360			
Wentworth	..	..	38,140			
			2,022,840			
Kow Swamp	..	..	..	272.00	40,860	
Cairu Curran	..	..	..	684.50	120,600	
Tullaroop (2,200 acre feet below gravitation level)	..	..	..	733.00	60,000	
Laanecoorie	..	..	..	527.00	6,300	
<i>Kerang North-West Lakes—</i>						
Third, Middle, Reedy	..	..	..	244.75		
Kangaroo, Racecourse, Charm	..	..	..	241.00		
Cullens	..	..	..	240.25		
(42,100 acre feet below gravitation level)						
Lake Boga (23,750 acre feet below gravitation level)	..	..	..	226.50	29,650	
Lake Cullulleraine	..	..	..	101.00	2,000	
						1,340,230
<i>Wimmera-Mallee System—</i>						
Rocklands	..	..	..	644.00	272,000	
Toolondo	..	..	..	538.00	60,000	
Fyans Lake (800 acre feet below gravitation level)	..	..	..	673.00	17,100	
Lake Lonsdale (1,600 acre feet below gravitation level)	..	..	..	618.25	53,300	
Wartook (700 acre feet below gravitation level)	..	..	..	1,451.00	23,800	
Taylors Lake (1,500 acre feet below gravitation level)	..	..	..	482.33	30,000	
Pine Lake (19,700 acre feet below gravitation level)	..	..	..	475.00	52,000	
Green Lake	..	..	..	452.50	6,600	
Dock Lake	..	..	..	442.00	4,800	
Moora (200 acre feet below gravitation level)	..	..	..	723.50	5,100	
Lower Wimmera Weirs	..	..	..	..	2,870	
Batyo Catyo (Avon Regulator)	..	..	..	402.00	5,000	
Lake Whitton	..	..	..	375.00	1,300	
Township Reservoirs and Mallee Tanks	..	..	..	..	5,030	
						538,900
<i>Maffra-Sale System—</i>						
Glennaggie	..	..	..	256.00	154,300	
Service Basins (Stratford, Heyfield)	..	..	..	..	40	
						154,340
<i>Coliban System—</i>						
Upper Coliban	..	..	..	1,652.00	25,700	
Lauriston	..	..	..	1,574.20	16,000	
Mahusbury	..	..	..	1,477.00	14,400	
Spring Gully	..	..	..	899.00	2,000	
Subsidiary Reservoirs	..	..	..	..	4,630	
						62,730
<i>Werribee System—</i>						
Pykes Creek	..	..	..	1,306.00	19,400	
Melton	..	..	..	273.00	15,500	
						34,900
<i>Mornington Peninsula System—</i>						
Lysterfield	..	..	..	221.50	3,400	
Beaconsfield	..	..	..	340.00	740	
Frankston	..	..	..	255.00	660	
Mornington	..	..	..	244.00	260	
Bittern	..	..	..	250.00	480	
Service Basins	..	..	..	..	260	
						5,800
<i>Otway System—</i>						
Service Basins	..	..	..	..	..	1,080
<i>Miscellaneous—</i>						
Eppalock	..	..	..	530.00	1,200	
Wonthaggi	..	..	..	238.00	1,550	
Wonthaggi Service Basins	..	..	..	..	10	
Newstead	..	..	..	806.00	30	
Hepburn's Lagoon	..	..	..	696.60	1,730	
Little River Weir	..	..	..	..	180	
Moorabool River Weirs	..	..	..	..	70	
						4,770
Available capacity of storages at 30th June, 1959						5,246,850
ADDITIONAL CAPACITY WHEN WORKS UNDER CONSTRUCTION ARE COMPLETED.						
<i>Murray-Loddon System—</i>						
Hume Reservoir to 2,500,000 acre feet (half share to Victoria)	..	..	..	636.00	..	350,000
TOTAL CAPACITY WHEN WORKS ARE COMPLETED						5,596,850

(a) One foot below New South Wales Standard Datum.

(b) New South Wales Water Conservation Datum.

(c) River Murray Lock Site Datum. All other levels are to Victorian Railways Datum.

* Subject to certain obligations to South Australia.

APPENDIX H.

NUMBER OF AUTHORIZED DIVERTERS AND AREAS AUTHORIZED, 1958-59.

	Domestic and Stock.	Industrial.	Irrigation.												Total.	
			Vines.			Citrus.	Orchards.	Pastures.			Sorghum and Annual Crops.	Lucerne.	Cereals.	Market Garden.		Miscellaneous.
			Dried Fruit.	Table and Spirit.	Native.			Permanent Sown.	Annual.							
LICENCES.			1,046												1,048	
Number authorized	1	1														
Area authorized to be irrigated (acres)	..	..	1,294	2,077	3,565	1,136	4,500	22,637	13,243	919	5,360	499	2,564	140	57,934
PERMITS.			2,696												4,540	
Number authorized	1,683	161														
Area authorized to be irrigated (acres)	..	..	65	117	135	316	5,486	37,243	..	3,654	3,239	470	5,317	285	56,327
AGREEMENTS. (from Drains)			294												294	
Number authorized .. ..	..	..												
Area authorized to be irrigated (acres)	..	..	..	..	..	..	..	4,200	8,516	1,180	120	..	..	..	14,016
Total	1,684	162	1,359	2,194	3,700	1,452	9,986	64,080	21,759	5,753	8,719	969	7,881	425	128,277	

APPENDIX J.

MAJOR PLANT ITEMS.
HOURS WORKED.

Year.	Excavators.	Wheel Tractors.	Crawler Tractors.	Compressors.	Mixers.	Rollers.	Graders.	Dump Wagons.	Scrapers.	Scoops.	Rippers.	Ditchers.	Cranes.	Trench Excavators.	Yearly Totals.
1955-56	59,600	58,150	52,300	10,600	4,100	1,500	2,500	1,000	12,500	5,200	1,750	950	6,200	4,250	220,600
1956-57	56,900	59,500	52,000	8,800	4,900	2,000	3,000	1,125	4,700	3,750	1,750	1,125	6,600	4,000	208,250
1957-58	56,000	46,700	46,100	8,500	3,125	2,425	2,300	..	4,750	2,150	2,325	725	5,100	2,300	182,500
1958-59	77,600	60,000	85,200	15,750	5,050	6,550	5,500	425	4,000	2,875	3,200	1,000	10,500	3,900	281,550

APPENDIX K.

SCHEDULE OF PUMPING STATIONS.

Location.				Normal Output.	Total Head.	Type.	Remarks.
				cusecs.	feet.		
1. Irrigation Pumps.							
Harcourt ..	..	..	..	2½	20	Electric	
Merbein ..	..	..	..	150	85	"	
Nyah ..	..	..	..	48	77	Steam and Diesel	
Red Cliffs	..	..	..	160	90	Electric	Main station
"	..	..	..	84	26	"	" A " substation
"	..	..	..	8	12	"	" B " substation
"	..	..	..	7	15	"	" C " substation
Robinvale	..	..	..	85	82	Steam and Diesel ..	Main station
"	..	..	..	10	14	Electric	" A " relift
"	..	..	..	7	14	"	" B " relift
"	..	..	..	4	20	"	" C " relift
"	..	..	..	4	20	"	" D " relift
"	..	..	..	4	20	"	" E " relift
"	..	..	..	28	35	Diesel	" F " relift
Tresco ..	..	..	..	25	23	"	Main station
"	..	..	..	8-10	22-30	Electric	Relift
Tresco West	..	..	..	12	5	"	Main, No. 1
"	..	..	..	5	35	"	Relift No. 2
"	..	..	..	4½	50	"	Relift No. 3
2. Domestic and Stock Pumps.							
Cannie Ridge	..	..	..	5½-11	40-80	Diesel	
Carwarp ..	..	..	..	4	31	"	Portable engine drive
Coreena ..	..	..	..	12	22	"	
Dering ..	..	..	..	4½	47	"	" "
Eureka ..	..	..	..	6	60	"	" "
Gooroc ..	..	..	..	3	58	"	" "
Gredgwin ..	..	..	..	6	94	"	" "
Gre Gre ..	..	..	..	6	62	"	" "
Jung Doon	..	..	..	12	36	Electric	
Kewell East	..	..	..	5	22	"	
Murtoa North	..	..	..	3½	20	Tractor	Portable engine
Millewa ..	..	..	..	100	12	Steam	River station
"	..	..	..	55	120	Diesel	Main station
"	..	..	..	50	23	Steam	Relift " B "
"	..	..	..	13	70	Diesel	Relift " C "
Pimpinio ..	..	..	..	5	45	"	
Walpeup ..	..	..	..	4-6	70-125	"	

Location.	Output (Gallons per Hour).	Total Head.	Type.	Remarks.
		feet.		
3. Urban Pumps.				
Berwick	7,800	95	Electric	
Bellarine	42,000	165	"	
Birchip	20,000	95	"	
Berriwillock	7,200	58	"	
Benlah	20,000	70	"	
Cohuna	27,000	60	"	
Cudgee	140,000	180	"	Booster pump
Culgoa	7,200	58	"	
Dimboola	16,000	50	"	
Dingee	4,800	47	"	
Eildon	30,000	145 max.	"	
Elphinstone	7,500	140	"	
Gellibrand	130,000	125	"	River station
"	115,000	850	"	Main station
Heyfield	12,000	115	"	Supply from storage basin
"	8,400	160	"	Supply from river
Hopetoun	24,000	120	"	
Jung	9,000	110	"	
Koondrook	24,000	70	"	
Lake Boga	11,500	88	"	

APPENDIX K—*continued.*SCHEDULE OF PUMPING STATIONS—*continued.*

Location.	Output (Gallons per hour).	Total Head.	Type.	Remarks.
		feet.		
3. <i>Urban Pumps</i> — <i>continued.</i>				
Lescalles	5,700	90	Diesel	
Leitchville	9,000	80	"	
Lockington	8,000	50	Electric	
Macorna	4,000	35	"	
Maldon	8,000	45	"	
Manangatang	9,000	52	"	
Merbein	33,000	190	"	
Meringur	4,500	50	Kero engine	
Minyip	24,000	80	Electric	
Mitiamo	4,000	105	"	
Mount Ewen	70,000	45	"	Booster pump
Murrabit	6,000	50	Kero engine	
Nandaly	4,200	35	Electric	
Nullawill	5,000	40	"	
Nuah	15,000	80	"	
"	5,000	50	"	High level
Nyah West	12,000	70	"	
Ouyen	30,000	85	"	
"	6,000	40	"	High level
Patchewollock	7,200	65	Kero engine	
Piangil	9,000	70	Electric	
Pimpinio	3,500	80	"	
Pyramid	18,000	67	"	
Quambatook	18,000	70	"	
Red Cliffs	45,000	130	"	Main pumps
"	56,000	85	"	River pumps
Robinvale	21,000	115	"	
Rupanyup	24,000	80	"	
Sea Lake	24,000	90	"	
South Frankston	24,000	40	"	
Stanhope	12,000	52	"	
Tallygaroopna	6,000	66	"	
Terang	90,000	200	"	Booster pump
Ultima	9,000	62	"	
Walpeup	3,600	80	"	
Watchem	7,000	65	"	
Warrnambool	130,000	140	"	
Werrimull	6,000	80	Diesel	
Wonthaggi	40,000	135	Electric	
Woomelang	18,000	54	"	
"	4,000	55	"	High level
Wycheproof	24,000	120	"	
"	5,000	50	"	High level

Location.	Output.	Maximum Head.	Type.	Remarks.
	cusecs.	feet.		
4. <i>Drainage Pumps.</i>				
Benjeroop	7	10	Diesel	
Carrum	6	10	Electric	
Heyfield	1½	15	"	Anderson's swamp
Merbein	1½	22	"	Lambert's swamp
"	1	20	"	Wren's swamp
Murrabit	5	10	Diesel	
Mordialloc	8	10	Electric	
Red Cliffs	3	45	"	
"	1	18	"	No. 1
"	2½	42	"	No. 2
"	½	10	"	No. 3
"	½	10	"	No. 4
"	3·7	45	"	No. 5
"	1	20	"	No. 6
"	1·3	49	"	No. 7
"	¾	28	"	No. 8
"	4	48	"	No. 9
Robinvale	1	20	"	No. 10
Woorinen	1	12	"	

APPENDIX L.

STAFF AND EMPLOYMENT FIGURES AS AT 30th JUNE, 1957, 1958 AND 1959.

Staff.	30th June, 1957.				30th June, 1958.				30th June, 1959.				Total.		
	Permanent Divisions.			Temporary.	Permanent Divisions.			Temporary.	Permanent Divisions.			Temporary.			
	Adminis- trative.	Pro- fessional.	Technical and General.		Adminis- trative.	Pro- fessional.	Technical and General.		Adminis- trative.	Pro- fessional.	Technical and General.				
<i>Engineering.</i>															
Staff possessing professional qualifi- cations, engaged on engineering, draughting, research, and surveying Inspectors, Water Bailiffs, Rangers, &c., engaged on District Operation and maintenance .. .. .	..	290	3	76	369	..	307	4	83	394	..	306	3	81	390
Excavator Supervisors, Chainmen, Timekeepers, &c., engaged on con- struction and plant maintenance .. .. .	..	..	369	118	487	..	..	387	92	479	..	..	395	94	489
<i>Administration and Accounting.</i>															
Clerks and Accountants	183	..	72	80	335	187	..	74	65	326	196	..	73	64	333
Typists, Messengers, &c. .. .. .	..	..	38	54	92	..	..	43	44	87	..	..	35	53	88
<i>Other Categories.</i>															
Laboratory Assistant, Tradesmen, Motor Drivers, &c. .. .. .	..	..	28	20	48	..	..	36	7	43	..	..	36	8	44
Totals	183	290	531	388	1,392	187	307	571	330	1,395	196	306	567	342	1,411
<i>Casual Labour.</i>															
Construction (Day Labour and (Contract)	..	..	..	..	1,138	..	..	..	..	922	..	..	..	..	906
District Maintenance .. .. .	..	..	..	..	1,251	..	..	..	..	1,196	..	..	..	..	1,308
GRAND TOTALS .. .. .	..	..	..	..	3,781	..	..	..	..	3,513	..	..	..	..	3,625

ORGANIZATION CHART OF THE STATE RIVERS AND WATER SUPPLY COMMISSION

